

CHELMSFORD CITY LOCAL HIGHWAY PANEL

Approved Works Programme – June 2016

Design & Feasibility Studies

Since the 2016/17 capital recommendations at the March Panel meeting, Officers have been working to set the programme for the 2016/17 financial year. The Chelmsford City Local Highways Panel did allocate up to 160% of their budget and this has allowed the development of a rolling programme of works. The programme now consists of 100% of your 2016/17 capital budget and an additional amount to take into consideration some 'roll over' from last year.

You will see from the Approved Works Programme that some dates appear as 2017/18 financial year, if the Panel wish to make any amendments to the programme they will need to consider the impact on those schemes which will need to be reprogrammed as a result and any abortive costs that could be incurred. For the current financial year the programme dates are shown in quarters, until the road space has been booked and the start date has been confirmed.

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Approved Schemes - Designs & Feasibility Studies

Scheme Key	Completed	Cancelled	Update
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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2013/14 Approved									
1	Main Rd nr j/w Church Rd, East Hanningfield	East Hanningfield	Quarter 3	04/02/2014	LCHE132068	Traffic Management	Create walkable verge	£3,000	Following March Panel meeting scheme scope changed - Scheme now to complete Design works (£3k) and Implementation (£8.5K) moved to Potential Schemes List
2	Margaretting Road, Galleywood	Galleywood	Quarter 4	12/09/2013	LCHE003001	Walking	Continuation of footway from Village to Heritage Centre - Civil Works £88k, Legal/Design Costs £31k.	£31,000	Following March Panel scheme scope changed - Scheme now to progress Legal/Design works (£31k) and Implementation (£88k) moved to Potential Schemes List
2014/15 Approved									
3	PROW Ftp 95 Chelmsford	Chelmsford non Parished	Quarter 3	24/04/2014	LCHE148002	Public rights of way	Investigation into installing drainage in existing surfaced city centre footpath	£5,000	
4	High Street	Chelmsford non Parished	May 2016	18/11/2014	LCHE144011	Cycling	Feasibility study to consider a cycle route through Chelmsford on a south - north alignment but avoiding the High Street.	£5,000	Completed - report to be circulated to Panel separately for review at September Panel meeting
5	PROW Ftp 13 Good Easter	Good Easter	Quarter 3	24/04/2014	LCHE148001	Public right of way	Investigation into revetment between River Can and existing footpath	£5,000	
6	Chelmer Retail Park, Springfield	Springfield	Quarter 3	24/04/2014	LCHE144006	Cycling	Phase 2 of scheme to rebuild and widen northern access ramp to retail park	£10,000	Following March Panel scheme scope changed - Scheme now to progress Legal/Design works at £10k and move implementation at £30k to Potential Schemes List
7	Ongar Rd/Lordship Rd, Writtle	Writtle	Mar 2016	24/04/2014	LCHE142014	Traffic Management	Route enhancement study, completed and construction of lay-by near Doctors surgery, completed	£32,500	Lay by at Doctors Surgery now completed

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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2015/16 Approved									
8	Plantation Road, Main Road and Church Road, Boreham	Boreham	Aug 2016	17/06/2015	LCHE152022	Traffic Management	Feasibility study into traffic management improvements	£5,000	
9	Waterhouse Lane	Chelmsford Non Parished	Mar 2016	22/04/2015	LCHE152075	Traffic Management	Detailed design of junction improvements at Waterhouse Lane j/w Beeches Drive & Forest Drive (Was reference LCHE142075)	£3,000	Feasibility Study completed - See designs in Appendix 1
10	Lawn Lane/Waveney Drive	Chelmsford Non Parished	Mar 2016	22/04/2015	LCHE154001	Cycling	Improved cycle crossing point and continuity of cycle network to Springfield	£5,000	Design completed - See design in Appendix 1
11	Penny Royal Road	Danbury	May 2016	22/04/2015	LCHE153002	Walking	Footway to link two parts of Danbury - Penny Royal Road (Mayes Lane to Woodhill Road) (Was reference LCHE143001)	£3,000	Following Prioritisation meeting - Suggestion is to complete Design works £3k and move implementation £63k to Potential Schemes List
12	Opposite the Railway Station	South Woodham Ferrers	Jun 2016	22/04/2015	LCHE155013	Bus stop improvement	Design of raised kerbs -Stop ID IM2262b (Was reference 145013)	£5,000	Design completed - See design in Appendix 1
13	Springfield Green/Timson's Lane	Springfield	May 2016	22/04/2015	LCHE154004	Cycling	Feasibility study to consider connection of existing cycle routes - Eastern ends of Springfield Green/Timson's Lane	£5,000	Feasibility Study completed - See designs in Appendix 1
14	Tyrells School - Tavistock Road, Bodmin Road, Taunton Road, Springfield	Springfield	Quarter 3	17/06/2015	LCHE152066	Traffic Management	Feasibility study into 20mph zone/limit	£5,000	
2016/17 Approved									
15	King Edward VI Grammar School And Chelmsford High School for Girls, Broomfield Road, Chelmsford - Pedestrian crossing improvements	Chelmsford non Parished	Quarter 4	12/04/2016	LCHE162020	Traffic Management	Feasibility/Road Safety Assessment of pedestrian crossing improvements	£3,000	
16	North Avenue, Chelmsford - Pedestrian Crossing Options	Chelmsford non Parished	2017/18	12/04/2016	LCHE162059	Traffic Management	Feasibility/design of pedestrian crossing options	£5,000	

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2016/17 Approved (Continued)									
17	Wood Street (Nr Parade of shops) Chelmsford - Pedestrian Crossing Options	Chelmsford non Parished	Quarter 4	12/04/2016	LCHE162132	Traffic Management	Feasibility study/design of pedestrian crossing options	£10,000	
18	Well Lane to The Heights - Service Road, Danbury - One-way road	Danbury	Quarter 4	12/04/2016	LCHE162104	Traffic Management	Feasibility into one-way road	£2,000	
19	Lordship Road/Ongar Road/The Green/Mayfield Road/Orchard Close, Writtle - Junction improvements	Writtle	2017/18	12/04/2016	LCHE162086	Traffic Management	Feasibility study into junction improvements, recommendation from completed Route Enhancement Study.	£5,000	
20	Ongar Road j/w Eastview, Writtle - Junction/carriageway improvements	Writtle	2017/18	12/04/2016	LCHE162085	Traffic Management	Feasibility study into junction/carriageway improvements, recommendation from completed Route Enhancement Study	£3,000	

CHELMSFORD CITY LOCAL HIGHWAY PANEL

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Schemes in Progress

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Approved Schemes - Schemes In Progress

Scheme Key	Completed	Cancelled	Update
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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2013/14 Approved									
1	Parkway A1060 Odeon RAB	Chelmsford non Parished	Aug 2016	10/07/2013	LCHE132022	Traffic Management	Traffic Management Improvements (TMI)	£41,000	Phase 2 - Variable Message and Car Park signs August 2016
2	Main Road (at southern Broomfield Parish boundary), Broomfield	Chelmsford non Parished	Mar 2016	18/03/2014	LCHE142001	Traffic Management	Village gateway treatment - design	£5,000	Completed
3	Watchouse Road (Skinners Lane to Pipers Tye), Galleywood	Galleywood	Quarter 4	18/03/2014	LCHE142003	Traffic Management	Speed reduction measures - VAS sign	£10,000	Parish Council have asked for VAS units that record data using a memory card but have now asked for five poles and the ability to rotate the signage. This is a new scheme and will need to go through the Validation process.
2014/15 Approved									
4	O/s 140-147 Forest Drive Chelmsford	Chelmsford non Parished	Sep 2016	02/06/2014	LCHE142004	Traffic Management	To construct lay-by within available verge	£25,000	
5	Avon Road, Chelmsford	Chelmsford non Parished	Apr 2016	02/06/2014	LCHE142031	Traffic Management	Parking Improvements along whole length of road (1377m) - measures to prevent parking on verges combined with creation of parking laybys	£228,923	Completed
6	Ten Entry points to Chelmsford City	Chelmsford non Parished	Quarter 3	09/07/2014	LCHE142023	Traffic Management	Improved City nameplate signage, to include image of area of interest within City, will require DfT approval	£40,000	
7	Dyers Hall to Cricket Ground, Mashbury Road, Chignal	Chignal	Mar 2016	02/06/2014	LCHE142032	Traffic Management	Creation of three passing places on narrow road	£59,700	Completed
8	Sandon Hill, Ford End 30mph signs	Ford End	Quarter 4	24/04/2014	LCHE142016	Traffic Management	Provision of 30mph count down signs at either end of Village (will require DfT approval)	£4,000	Awaiting approval from Department of Transport for sign design
9	Sandon Hill, Ford End	Ford End	On Hold	24/04/2014	LCHE142017	Traffic Management	Traffic management improvements through Village - Speed terminal signs at village gateways, VAS's, Improved bend signage, mini-RAB, improved school signage	£58,500	Terminal signs/VAS's/warning signs completed - Alternative measures to mini-roundabout now being considered as new Potential Scheme

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Approved Schemes - Schemes In Progress

Scheme Key	Completed	Cancelled	Update
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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2014/15 Approved (Continued)									
10	A1060 Maldon Road j/w Molrams Lane, Sandon	Sandon	Sep 2016	02/06/2014	LCHE142021	Traffic Management	Remedial works to Section 278 highway works - signing/lining/lighting improvements	£10,000	Design completed - See design in Appendix 1
11	A132/B1012 (Shaw Farm RAB and B1012/B1418, South Woodham Ferrers	South Woodham Ferrers	Aug 2016	09/07/2014	LCHE142041	Traffic Management	Improved Goods Vehicle Signage to keep vehicles on Priority Route and not diverting through Woodham Ferrers	£7,500	
2015/16 Approved									
12	Hammonds Road/Church Road, Little Baddow/Boreham	Boreham	Quarter 3	17/06/2015	LCHE152010	Traffic Management	Flood Gauges/Flood Sensors/Verge Marker Posts, Upgraded Signs/Ditch and Vegetation works.	£25,000	
13	Old Moulsham	Chelmsford Non Parished	Quarter 4	22/04/2015	LCHE152057	Traffic Management	20 mph zone/limit - Moulsham Drive/Lady Lane/Hamlet Road/St Johns Road/Vicarage Road/Moulsham Street - (Was reference LCHE132057)	£26,500	
14	Springfield Allied Estate	Chelmsford Non Parished	Sep 2016	22/04/2015	LCHE152069	Traffic Management	Improvements to existing 20 mph signage/roundel road markings - (Sandford Road/Chelmer Road/Springfield Road/Hill Road/Navigation Road) (Was reference LCHE142069)	£3,000	
15	Melbourne Avenue	Chelmsford Non Parished	Quarter 3	22/04/2015	LCHE154007	Cycling	Scheme CH17 - convert southern footway to cycleway/footway (Chignal Road to North Avenue) (Was reference LCHE134006)	£25,000	Following detailed design possible top up £41,593 required, to be confirmed once scheme target costed.
16	Princes Road	Chelmsford Non Parished	Quarter 3	22/04/2015	LCHE154009	Cycling	Scheme CH34 - convert and widen footway (opposite Moulsham School to Lidl) (was reference LCHE134009)	£95,000	Phase between Moulsham Junior School to Chelmsford College planned for Summer Holidays 2016.
17	Paper Mill Bridge, North Hill/Moden Hall Lane, Little Baddow	Little Baddow	Quarter 3	17/06/2015	LCHE152003	Traffic Management	Flood Gauges/Flood Sensors/Verge Marker Posts, Upgraded Signs/Ditch and Vegetation works.	£25,000	
18	PRoW Footpath 33, Downham Road, South Hanningfield	South Hanningfield	Mar 2016	17/06/2015	LCHE158009	Public rights of way	Surface improvements - laying road planings - 270m length with a width 1.0m to 1.5 m	£5,000	Completed

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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2015/16 Approved (Continued)									
19	A132 Burnham Road	South Woodham Ferrers	On Hold	22/04/2015	LCHE152079	Traffic Management	Extension of 40 mph speed limit, reposition Town nameplate, SLOW road markings (Was reference LCHE142079)	£10,000	Following design works a 40mph extension was found to not be feasible. Consideration then given to a 50mph limit and this was also found not to be feasible.
20	Buttsbury Bridge, Stock	Stock	Sep 2016	17/06/2015	LCHE152080	Traffic Management	Traffic Management Improvements at bridge	£17,700	
2016/17 Approved									
21	Lodge Road, Bicknacre - Passing bays	Bicknacre	Quarter 4	12/04/2016	LCHE162025	Traffic Management	Provision of passing bays	£23,036	
22	B1137 Main Road j/w Church Road, Boreham - traffic calming/junction improvement/speed reduction measures	Boreham	Quarter 4	12/04/2016	LCHE161011	Safer Roads	Traffic calming/junction improvement/speed reduction measures	£90,000	
23	Main Road nr j/w Erick Avenue, Broomfield - Pedestrian crossing upgrade	Broomfield	Quarter 4	12/04/2016	LCHE162129	Traffic Management	Following Road Safety Assessment, Upgrade Pedestrian Crossing	£25,000	
24	St Mary's Church, Ingatestone Road, Buttsbury - Bend sign improvements	Buttsbury	2017/18	12/04/2016	LCHE162131	Traffic Management	Install Chevron sign on island	£2,000	
25	O/s 148 Kings Road, Chelmsford - Dropped kerbs/tactile paving	Chelmsford non Parished	Quarter 3	12/04/2016	LCHE163001	Walking	Dropped kerbs/tactile paving on verges both sides of road	£10,000	
26	O/s Parade of Shops, 90-106 Kings Road, Chelmsford - Echelon Parking	Chelmsford non Parished	2017/18	12/04/2016	LCHE162004	Traffic Management	Design of parking improvements - echelon parking	£3,000	
27	Westway j/w Robjohns Road, Chelmsford - Yellow box	Chelmsford non Parished	2017/18	12/04/2016	LCHE162053	Traffic Management	Yellow box junction at traffic lights	£5,000	

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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2016/17 Approved (Continued)									
28	A1060 Parkway/Odeon Roundabout (j/w High Bridge Road) Chelmsford - Improvements to cycling./pedestrian facility at RAB	Chelmsford non Parished	Quarter 3	12/04/2016	LCHE161013	Safer Roads	Improvements to cycle/pedestrian facility at RAB	£14,000	
29	Highwood Road, Edney Common - Traffic management improvements	Edney Common	2017/18	12/04/2016	LCHE162039	Traffic Management	Design of traffic management improvements - Remove centre white line/renew SLOW road markings, build outs at play ground/public house with priority flow	£3,000	
30	Great Baddow Footpaths 11, 12 & 67 - Surfacing/drainage improvements	Great Baddow	Quarter 4	12/04/2016	LCHE168008	Public rights of way	Unsurfaced urban path - Drainage improvements, lay all weather surfacing and remove vegetation	£22,000	
31	Main Road, Howe Street - SID Socket/pole	Howe Street	Quarter 3	12/04/2016	LCHE162070	Traffic Management	Provide a Speed Indicator Device Socket/Pole	£750	
32	Hammonds Road /Church Road, Little Baddow to Boreham - Bend signs	Little Baddow to Boreham	Quarter 4	12/04/2016	LCHE162055	Traffic Management	Design of bend signage improvements (Chevron/bend warning signs)	£3,000	
33	B1008 The Street (Little Waltham to Hospital Approach) Broomfield - Dropped kerbs/tactile paving	Little Waltham	Quarter 4	12/04/2016	LCHE163003	Walking	Dropped kerbs/tactile paving six locations along route	£20,000	
34	Highwood Road, Loves Green - Traffic management improvements	Loves Green	2017/18	12/04/2016	LCHE162038	Traffic Management	Design of traffic management improvements - Remove centre white line/renew SLOW road markings/build outs at school with priority flow	£3,000	
35	Swan Lane, Stock to Margaretting - Quiet Lane	Margaretting	2017/18	12/04/2016	LCHE162005	Quiet Lane	Quiet Lane	£3,000	
36	Chelmsford Road, Minnow End - SID Socket/pole	Minnow End	Quarter 3	12/04/2016	LCHE162071	Traffic Management	Provide a Speed Indicator Device Socket/Pole	£750	

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2016/17 Approved (Continued)									
37	Junction of Green Lane with Vicarage Road, Roxwell - Junction improvements	Roxwell	2017/18	12/04/2016	LCHE162112	Traffic Management	Re-designing bennett junction road markings	£2,000	
38	Havengore (S/o 2 Wallasea Gardens to S/o 104 Falmouth Road, Springfield - Relocate bus stop	Springfield	Quarter 4	12/04/2016	LCHE165020	Bus Stop Improvement	Relocate bus stop and provide bus shelter	£16,000	
39	Springfield Library, New Bowers Way, Springfield - Signs	Springfield	Quarter 3	12/04/2016	LCHE162056	Traffic Management	Directional signs to Library	£5,000	
40	Springfield Green, Springfield - Pedestrian crossing improvements	Springfield	2017/18	12/04/2016	LCHE162060	Traffic Management	Zebra crossing, with lighting improvements	£60,000	
41	Church Lane j/w Lawn Lane, Springfield - Cycle link/junction improvements	Springfield	Quarter 3	12/04/2016	LCHE161003	Safer Roads	Implement cycle link/junction improvements	£58,000	
42	Mill Road to j/w Downham Road, Stock - 40mph speed limit	Stock	Quarter 4	12/04/2016	LCHE162130	Traffic Management	Speed reduction from 60mph to 40mph	£15,000	
43	B1007 High Street nr j/w Common Road, Stock - Footway widening	Stock	Quarter 4	12/04/2016	LCHE161004	Safer Roads	Implement footway widening and clearance of vegetation	£30,000	
44	Scheme Top Ups	Various TBC	Quarter 4	12/04/2016	LCHE162135	Traffic Management	Pot of monies to be used by the Panel to make recommendations towards scheme top ups	£50,000	

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Ref. No.	Task Name	Parish	Finish	CMA Approved	Cost Code	Scheme Type	Works Description	Allocated Budget	Comments
2016/17 Revenue Schemes									
45	Survey Works	Various TBC	Quarter 4	12/04/2016	LCHE162133	Traffic Management	Ad Hoc Survey Works - Automatic Traffic Counts/Degree of Pedestrian Conflict Surveys/Road Safety Assessments	£3,750	To date six Automatic Traffic counts have been completed at £1,500
46	Brush Cutter/Flail Mower	Various TBC	TBC	12/04/2016	LCHE162133	Traffic Management	Monies to allow the purchase of a mechanised brush Cutter/flail mower to enhance the vegetation clearance works currently carried out by the Chelmsford City Highway Rangers	£6,250	

Chelmsford City Local Highways Panel

June 2016

Appendix 1 – Approved Works Programme Updates

a. Feasibility and Designs

Page 2 to 7 - LCHE152075

Waterhouse Lane, Chelmsford

Design of junction improvements at Beeches Road and Forest Drive

Page 8 to 15 – LCHE154001

Lawn Lane/Waveney Drive, Chelmsford

Design of improved cycle crossing point and continuity of cycle network to Springfield

Page 16 to 19 – LCHE155013

Opposite the Railway Station, Hullbridge Road, South Woodham Ferrers

Design of raised kerbs at bus stop

Page 20 to 35 – LCHE154004

Springfield Green/Timson's Lane, Springfield

Feasibility Study to consider connection of existing cycle routes

b. Schemes In Progress

Page 36 to 39 – LCHE142021

A1060 Maldon Road j/w Molrams Lane, Sandon

Design of signing/lining improvements

Waterhouse Lane, Chelmsford

Executive Summary – Feasibility Study

Highway Improvements Design Team (SMO2)

May 20, 2016

Date: 20 May 2016

Author: Jacobs Reachback for (HIDT SMO2)

Executive Summary

- Jacobs Reachback have provided a Feasibility Study with regards to the junction improvements proposed at Waterhouse Lane, Chelmsford, Chelmsford
- 3No. drawings have been provided (see Appendix 'A')
- Three options have been provided:-
 - Option 1 – 'Do Minimum'
 - Option 2 – junction re-alignment
 - Option 3 – Signalised Junction
- A provisional cost estimate has been provided:-
 - Option 1: £5,000.
 - Option 2: £50,000
 - Option 3: £TBA

Prepared by:	Jacobs Reachback (Dublin)	Date:	20 May 2016
Approved by:	Mike Shearcroft	Date:	20 May 2016

Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

Appendix A – Drawings

Please refer to drawing numbers found below for further information regarding the detailed design.

HI- 4149-00-001	Vehicle tracking
HI- 4149-00-002	Option 1 – Do Minimum - General Arrangement
HI- 4149-00-003	Option 2 – Widened Entry Lane - General Arrangement

HIDT initial review of supplied third party scheme design

Whilst the scheme works are being provided to the LHP for consideration, the points raised by the reviewing HIDT Engineer will need to be addressed prior to any scheme implementation:-

I have now reviewed the above feasibility study which investigates 3 options for the improvement of the junctions of Waterhouse Lane with Forest Drive and Beeches drive in Chelmsford.

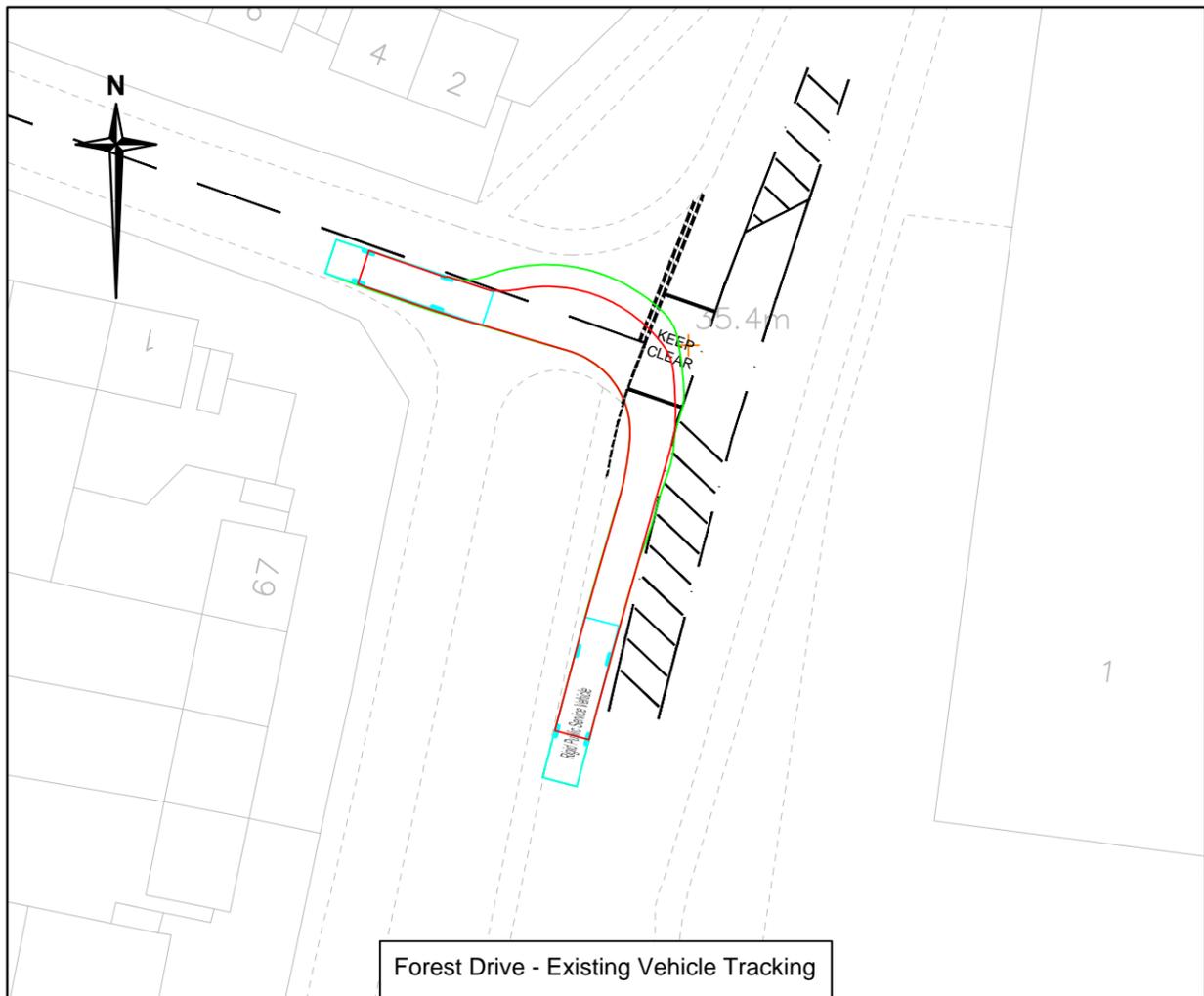
Just a few comments;

For Option 2 the designer states that the approximate cost of implementation would be around £50K, however the Level 1 Estimates provided in Appendix D indicate a total estimate cost of £16,549.72. I assume that the 50K figure is correct but this will need to be double checked and amended as necessary.

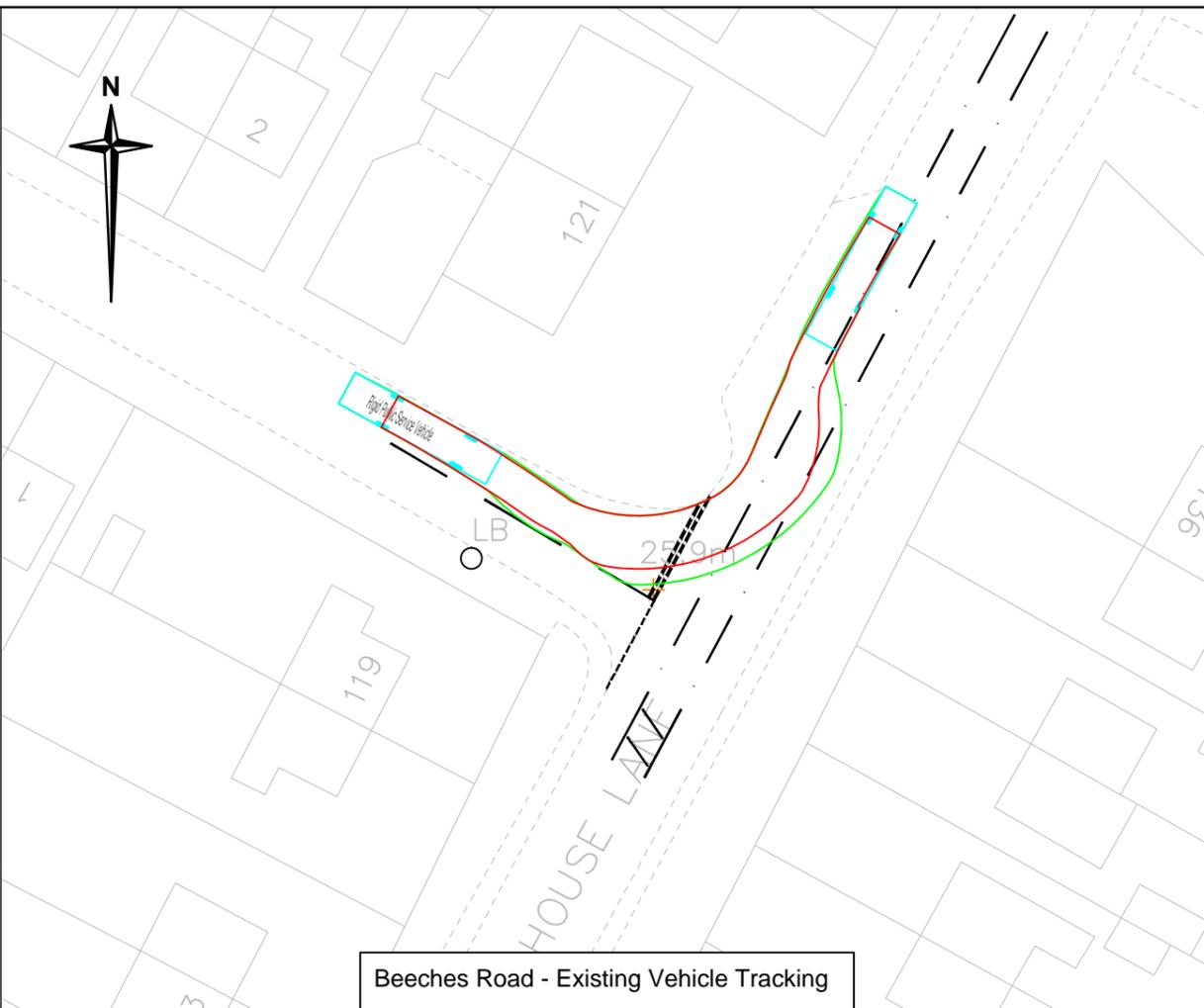
With regards to this option, I also noticed that there are a number of utility boxes on the northern side of the carriageway in Waterhouse Lane within the verge area which could prevent the widening of the entrance splay in Forest Drive as proposed. The designer does mention in the report that to convert a section of footway into carriageway may have some “minor impacts” on existing utility, however it is not clear whether he has taken the location of these stats into account to determine the available width for the proposed widening area.

Other than that, I basically agree with all the assessments carried out by the engineer as part of this feasibility study and I also think that option 1 is the most appropriate of the proposed options.

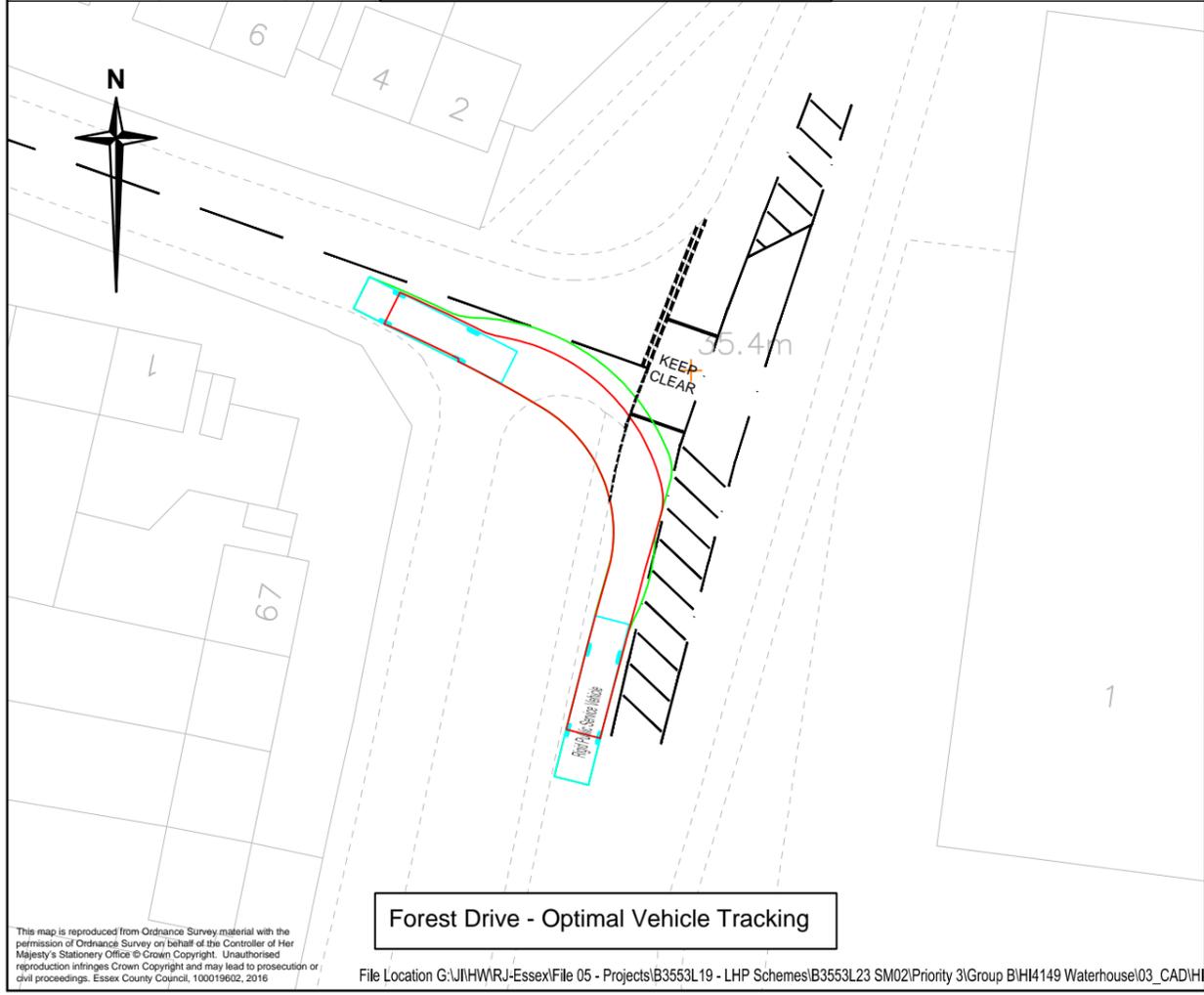
Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)



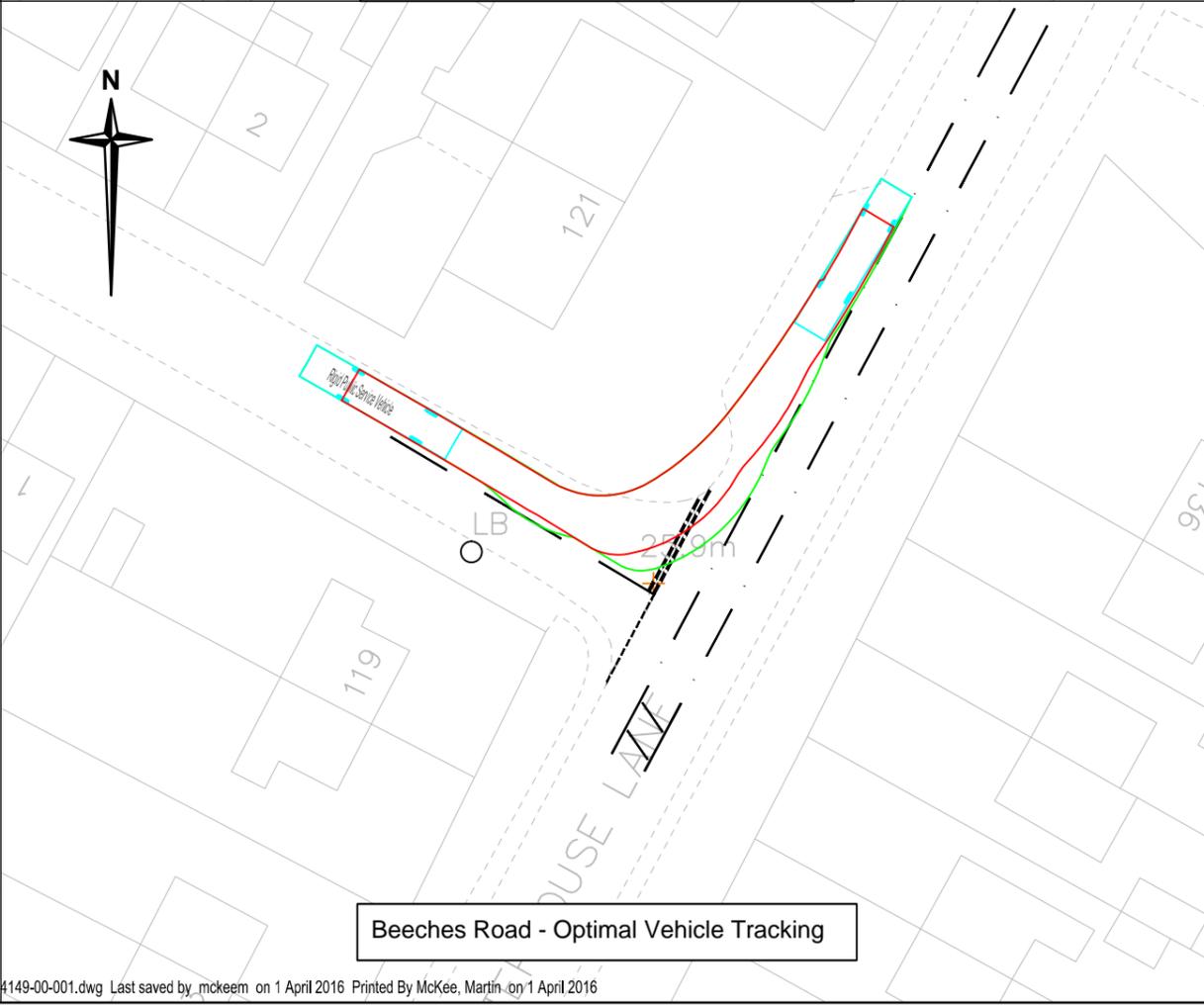
Forest Drive - Existing Vehicle Tracking



Beeches Road - Existing Vehicle Tracking



Forest Drive - Optimal Vehicle Tracking



Beeches Road - Optimal Vehicle Tracking

- Notes**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other related drawings.
 3. Vehicle Tracking used for the purposes of this investigation is for the TRRL SR662 Rigid Public Service Vehicle.

- Key**
- — Indicative Existing Line marking
 - — Vehicle tracking line
 - — Vehicle axle tracking

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	31/03/15	DRAFT	MMK	MMK	BS	BS

DRAWING STATUS

FEASIBILITY



Mark Rowe, Service Director, Highways
 Seax House, Victoria Road South, Chelmsford, CM1 1QH.
 Tel: 0345 6037631 © Essex County Council

SCHEME TITLE

**HI4149 Waterhouse Lane j/w
 Beeches Drive & Forest Drive**

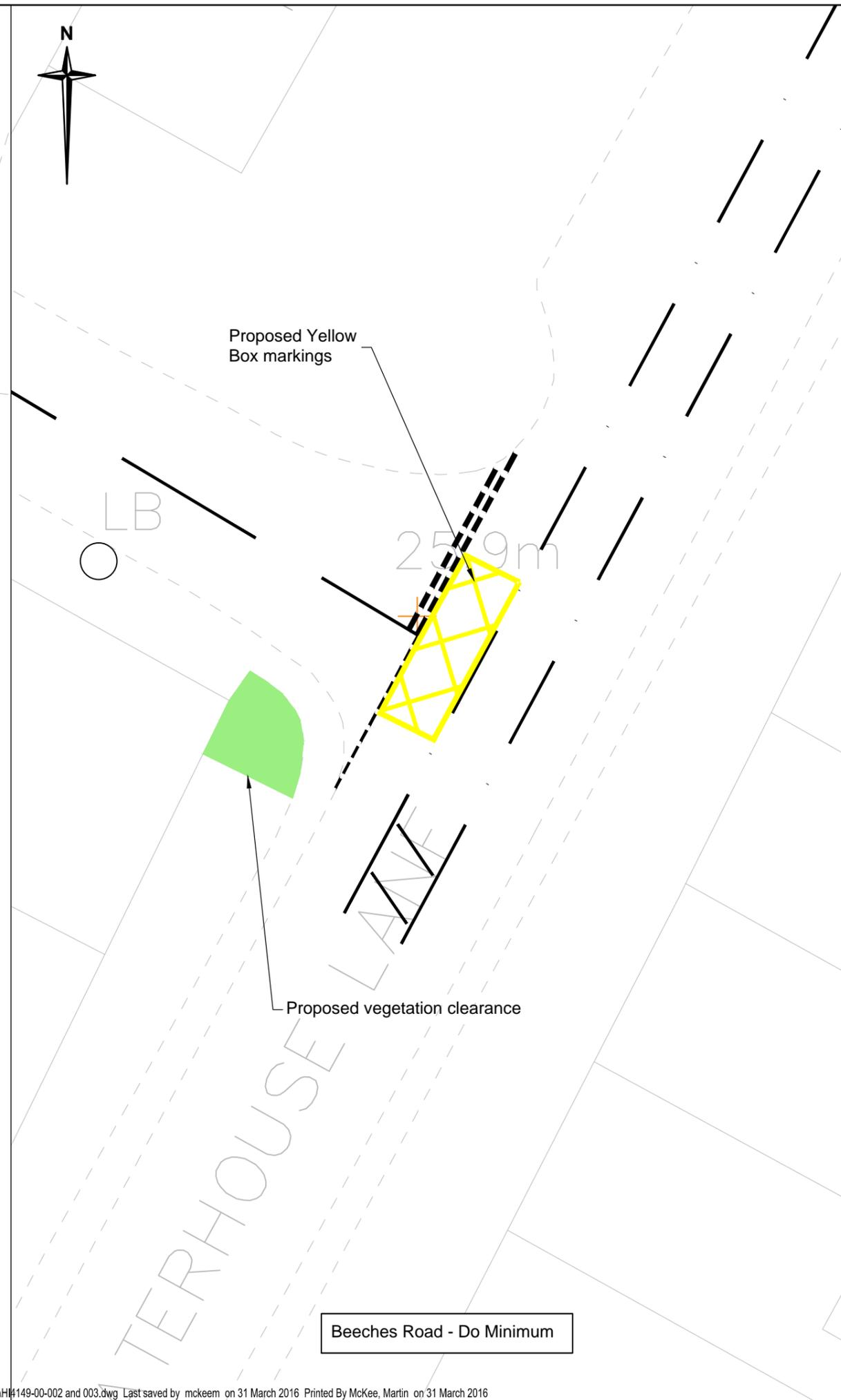
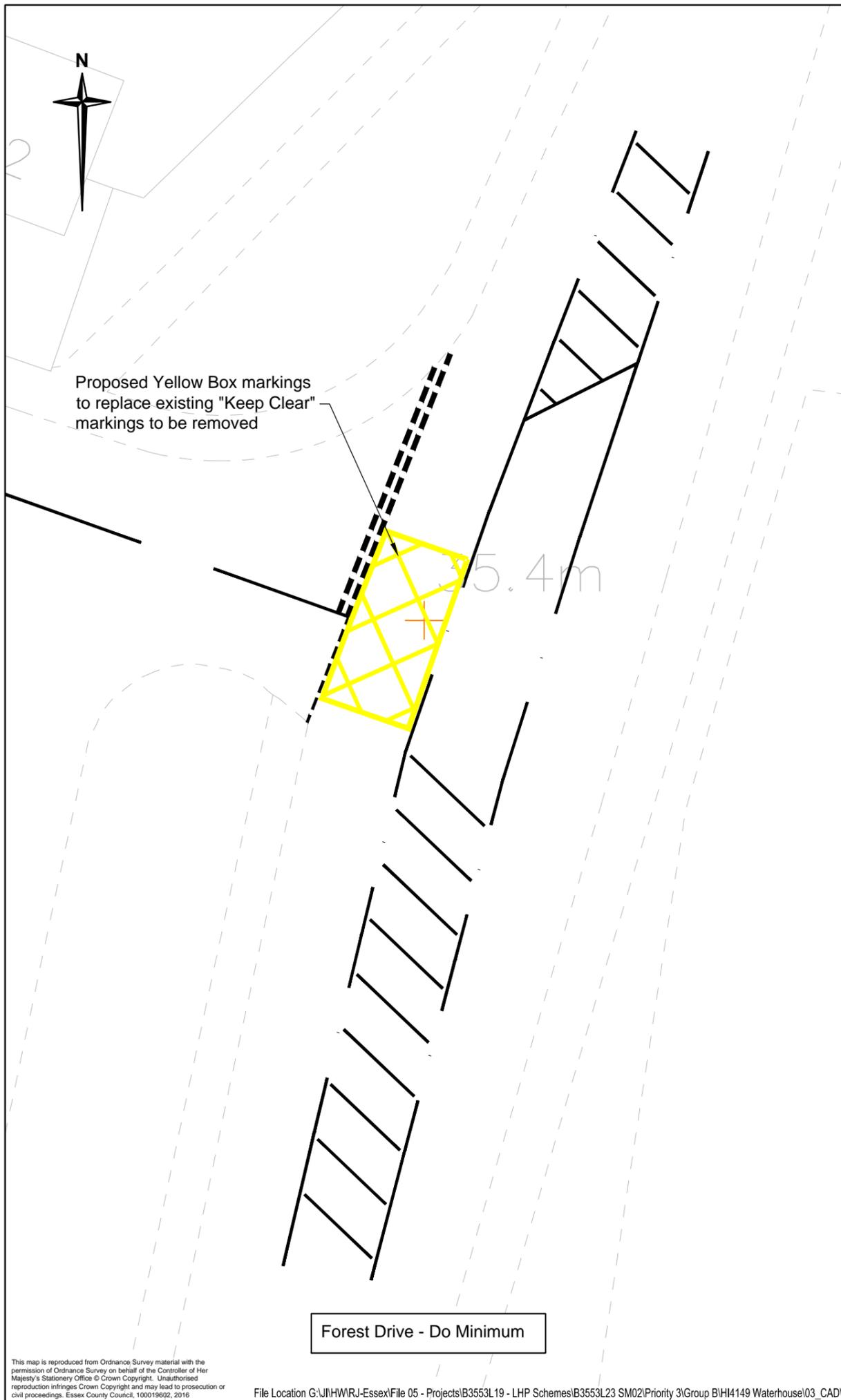
DRAWING TITLE

Forest Drive Vehicle Tracking

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
MMK	MMK	MMK	BS	BS
DATE	DATE	DATE	DATE	DATE
30/03/16	31/03/16	31/03/16	31/03/16	31/03/16

DRAWING UNITS U.N.O.
 DIMENSIONS IN MILLIMETRES SCALE AT A3 (420x297mm)
 LEVELS IN METRES 1:500

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- Notes**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other related drawings.
 3. Line markings indicated are indicative only

- Key**
- — — — — Indicative Line Markings
 - Proposed vegetation clearance

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	31/03/15	DRAFT	MMK	MMK	BS	BS

DRAWING STATUS

FEASIBILITY



Mark Rowe, Service Director, Highways
 Seax House, Victoria Road South, Chelmsford, CM1 1QH.
 Tel: 0345 6037631 © Essex County Council

SCHEME TITLE

**HI4149 Waterhouse Lane j/w
 Beeches Drive & Forest Drive**

DRAWING TITLE

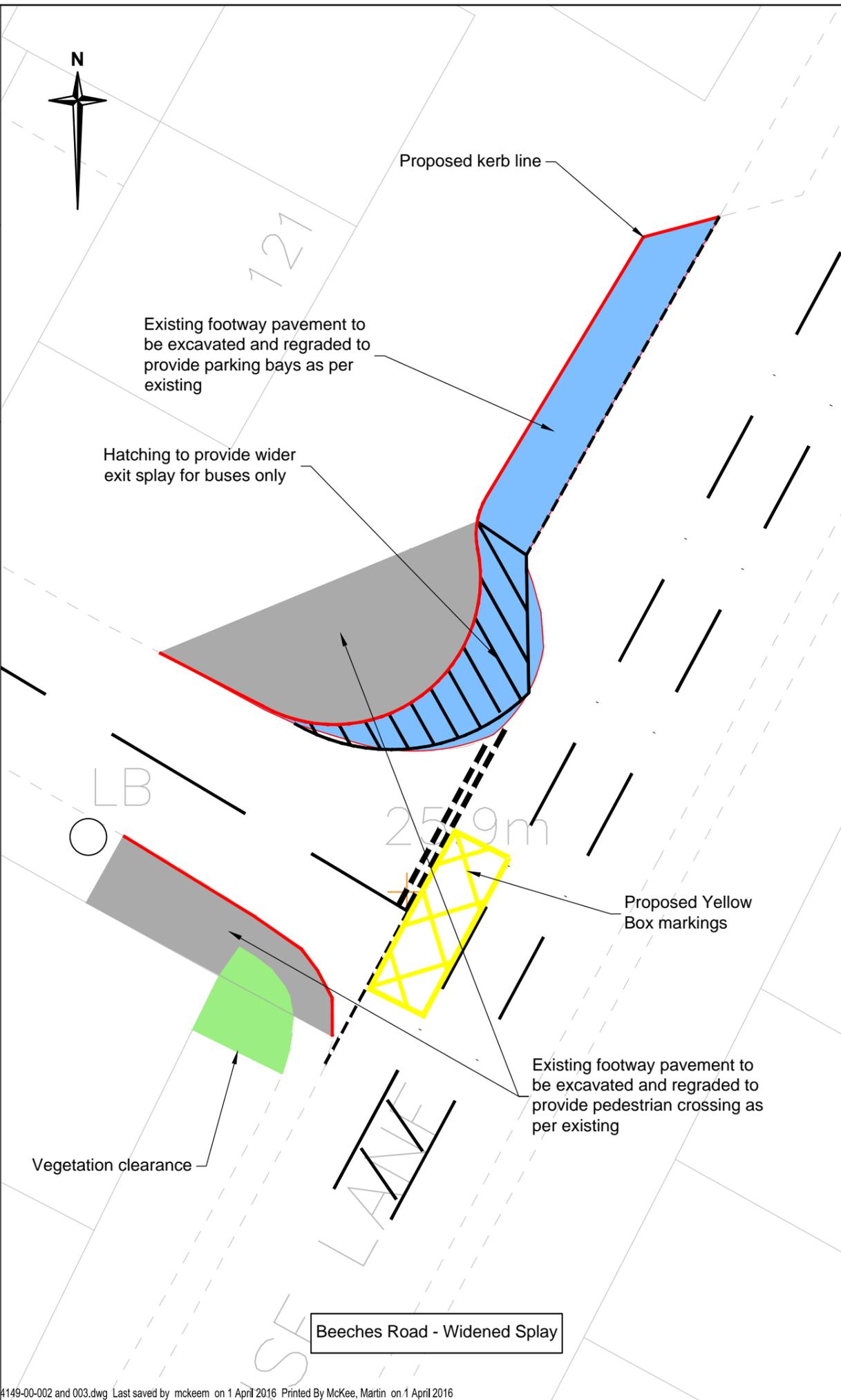
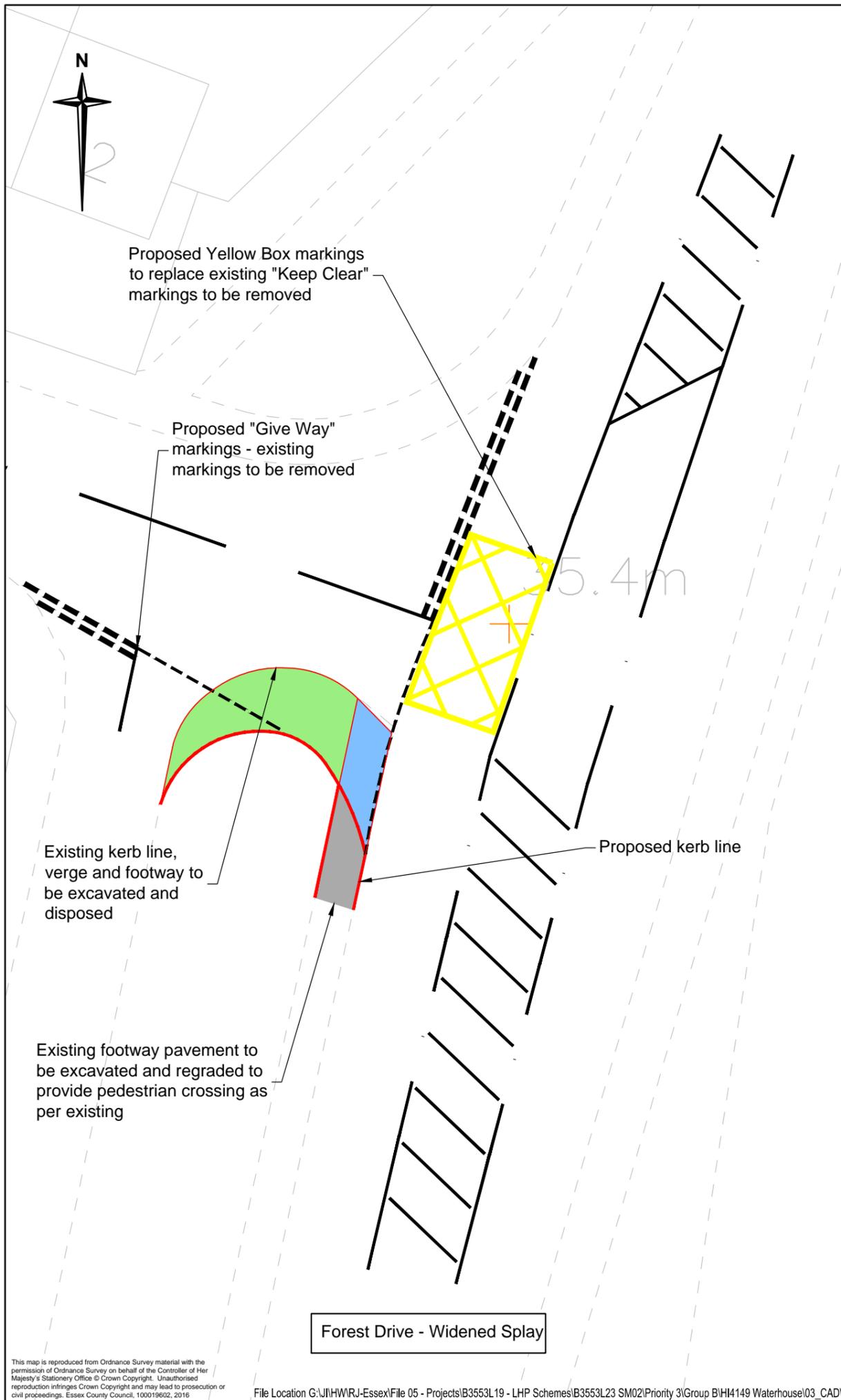
**Option 1: 'Do Minimum'
 General Arrangement**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
MMK	MMK	MMK	BS	BS
DATE	DATE	DATE	DATE	DATE
30/03/16	31/03/16	31/03/16	31/03/16	31/03/16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:200

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- Notes**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other related drawings.
 3. Line markings shown are indicative only.
 4. The widened entry lanes indicated are based on accommodating the optimal vehicle tracking as shown on drawing no. HI4149-00-001.

- Key**
- Indicative Line Markings
 - Existing kerb line to be removed and disposed of
 - Proposed kerb line
 - Existing verge to be excavated and replaced with carriageway pavement
 - Existing footway to be excavated and replaced with carriageway pavement
 - Proposed footway pavement

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	31/03/15	DRAFT	MMK	MMK	BS	BS

DRAWING STATUS: **FEASIBILITY**



Mark Rowe, Service Director, Highways
Seax House, Victoria Road South, Chelmsford, CM1 1QH.
Tel: 0345 6037631 © Essex County Council

SCHEME TITLE: **HI4149 Waterhouse Lane j/w Beeches Drive & Forest Drive**

DRAWING TITLE: **Option 2: Widened Entry Lane General Arrangement**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
MMK	MMK	MMK	BS	BS
DATE	DATE	DATE	DATE	DATE
30/03/16	31/03/16	31/03/16	31/03/16	31/03/16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:200

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Lawn Lane / Waveney Drive, Chelmsford

Executive Summary – Detailed Design

Highway Improvements Design Team (SMO2)

May 20, 2016

Date: 20 May 2016

Author: Jacobs Reachback for (HIDT SMO2)

Executive Summary

- Jacobs Reachback have provided a Feasibility Study with regards to the shared use footway and crossing at Lawn Lane / Waveney Drive in the District of Chelmsford
- 7No. drawings have been provided (see Appendix 'A')
- Utilities Summary
- 4No. options have been provided:-
 - Option 1 – 'Do Minimum'
 - Option 2 – Traffic Calming – Lawn Lane
 - Option 3 – Shared Use Footway Narrowing Carriageway
 - Option 4 – Shared Use Footway Setting Back Retaining Wall
- A provisional cost estimate has been provided:-
 - Option 1: £886.42
 - Option 2: £188,857.67
 - Option 3: £212,725.98
 - Option 4: £243,335.37

Prepared by:	Jacobs Reachback (Dublin)	Date:	20 May 2016
Approved by:	Mike Shearcroft	Date:	20 May 2016

Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

Scheme Reference: HI 4147
Feasibility Study
Lawn Lane / Waveney Drive, Chelmsford

Appendix A – Drawings

Please refer to drawing numbers found below for further information regarding the detailed design.

HI- 4147-00-001	Option 1 – General Arrangement (existing crossing)
HI- 4147-00-001	Option 2 – General Arrangement (traffic calming chicane)
HI- 4147-02-001	Option 2 – Site Clearance (traffic calming chicane)
HI- 4147-00-001	Option 3 – General Arrangement (informal crossing)
HI- 4147-02-001	Option 3 – Site Clearance (informal crossing)
HI- 4147-00-001	Option 4 – General Arrangement (pedestrian refuge)
HI- 4147-02-001	Option 4 – Site Clearance (pedestrian refuge)

HIDT initial review of supplied third party scheme design

Whilst the scheme works are being provided to the LHP for consideration, the points raised by the reviewing HIDT Engineer will need to be addressed prior to any scheme implementation:-

Option 2

- I do not believe a give-way is required both sides of the build out
- Proposed design creates sign cutter – there is potential to rationalise some of the proposed signs.
- Excavating the existing carriageway to a depth of 660mm seems excessive
- Could potentially do away with punching of the existing carriageway

Option 3

- Proposed design creates sign cutter – there is potential to rationalise some of the proposed signs.
- Give-way signs would likely be required
- Excavating the existing carriageway to a depth of 660mm seems excessive
- Could potentially do away with punching of the existing carriageway

Option 4

- Excavating the existing carriageway to a depth of 660mm seems excessive
- There will be a large tree to remove as part of this option that has not been considered.

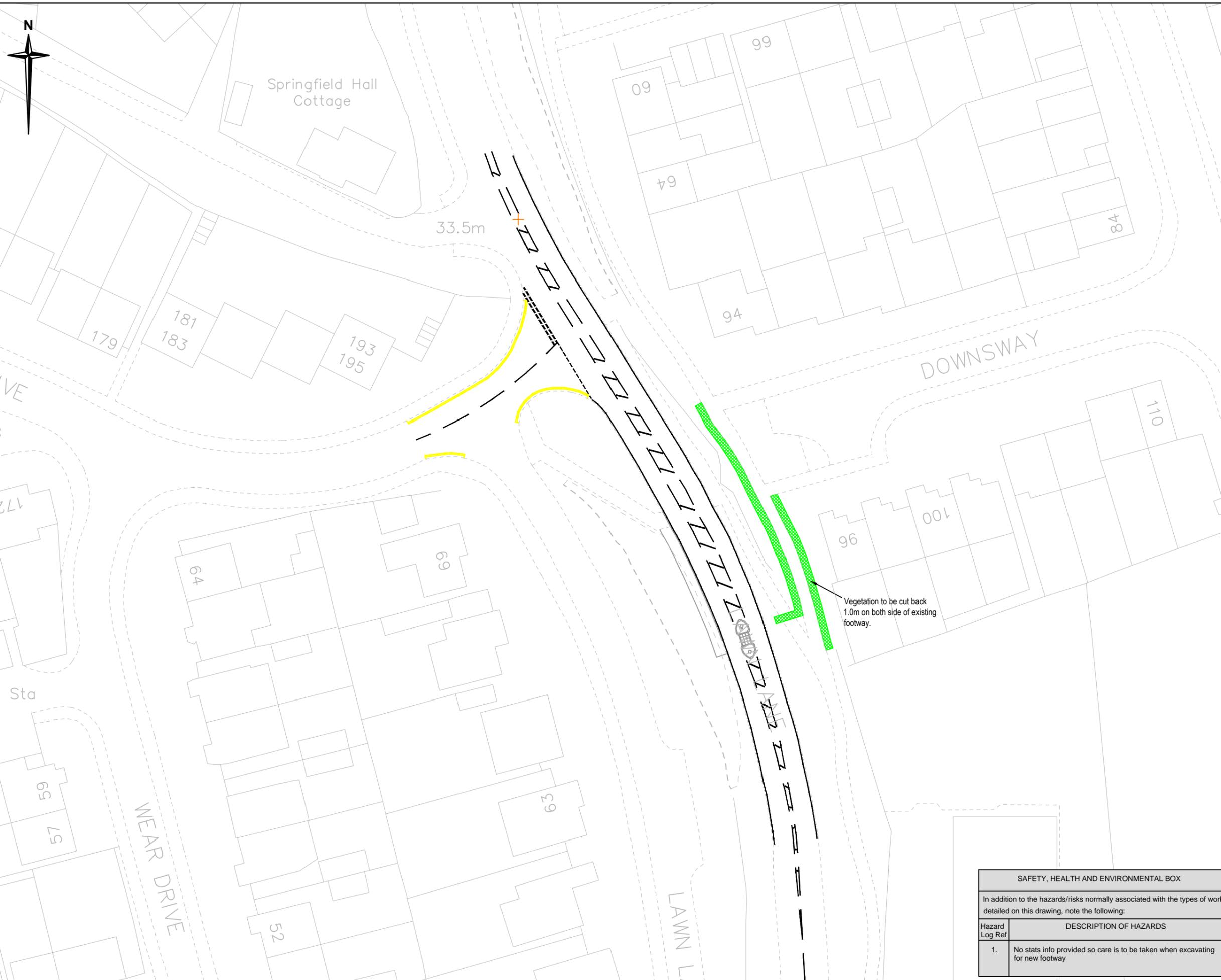
Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

Scheme Reference: HI 4147
Feasibility Study
Lawn Lane / Waveney Drive, Chelmsford

There is another option:

Something similar to option 2, but without a flat table crossing or give-ways on lawn lane, or any central refuge. – I think this option would have some merit and is worth exploring. This type of crossing is the basic cycle crossing depicted in LTN 2/08

Option 2 and 3 have been given the highest preference in the report with option 2 as the favourite. Both these options include traffic calming as part of the design. I think an assessment of the traffic count, 85thile speed and peak hour flow should be included as part of the assessment before promoting these options. The LTN's include guidance on the type of crossing to provide for a given speed and traffic count and should be consulted.



- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs in accordance with Traffic Sign Manual (TSM) and the Traffic Signs and Regulations and General Directions (TSRGD)

Key

Existing Road markings

Vegetation to be cut back

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	AG	BB	MMK	BS

FEASIBILITY STUDY



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 County Hall A2 Annex, Chelmsford, CM1 1QH
 Tel: 0845 6037631 © Essex County Council

**LAWN LANE / WAVENEY DRIVE
 SHARED USE FOOTWAY
 AND CROSSING**

**GENERAL ARRANGEMENT
 Option - 1
 (Existing Crossing)**

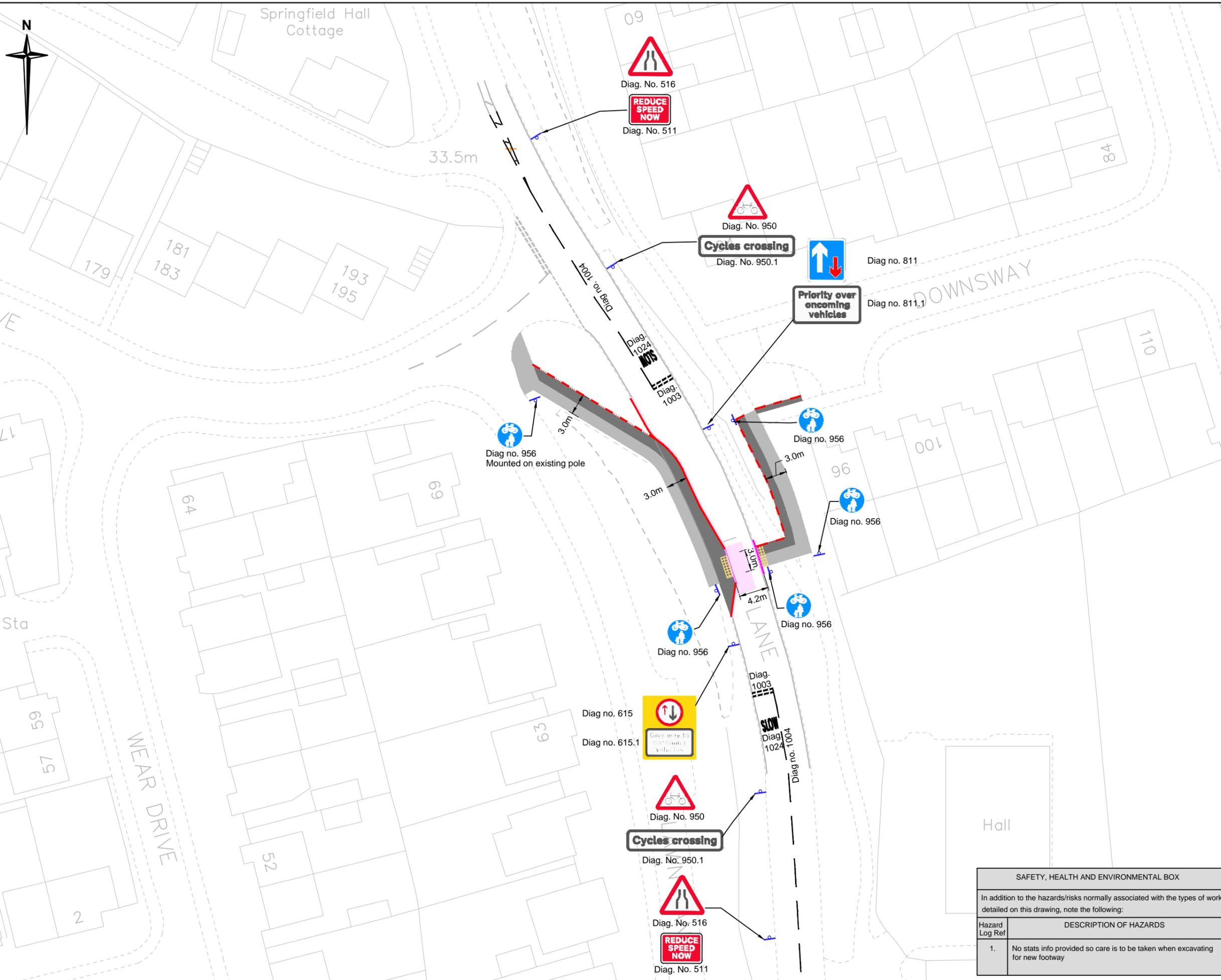
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	AG	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

DRAWING No. **HI4147-00-OPT 01-001** REV. **0**

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- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs in accordance with Traffic Sign Manual (TSM) and the Traffic Signs and Regulations and General Directions (TSRGD)

- Key**
- Proposed Precast Concrete HB2 Kerb as per Essex folio EB100
 - Proposed Edging Kerb (EF150) laid flush with footway as per Essex folio EB102
 - Proposed Footway Construction
 - Proposed Carriageway Construction
 - Existing Footway
 - Dropped Kerb
 - Proposed Tactile Paving as per Essex folio EB121
 - Proposed Road Signs
 - Proposed Road markings

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	AG	BB	MMK	BS

FEASIBILITY STUDY



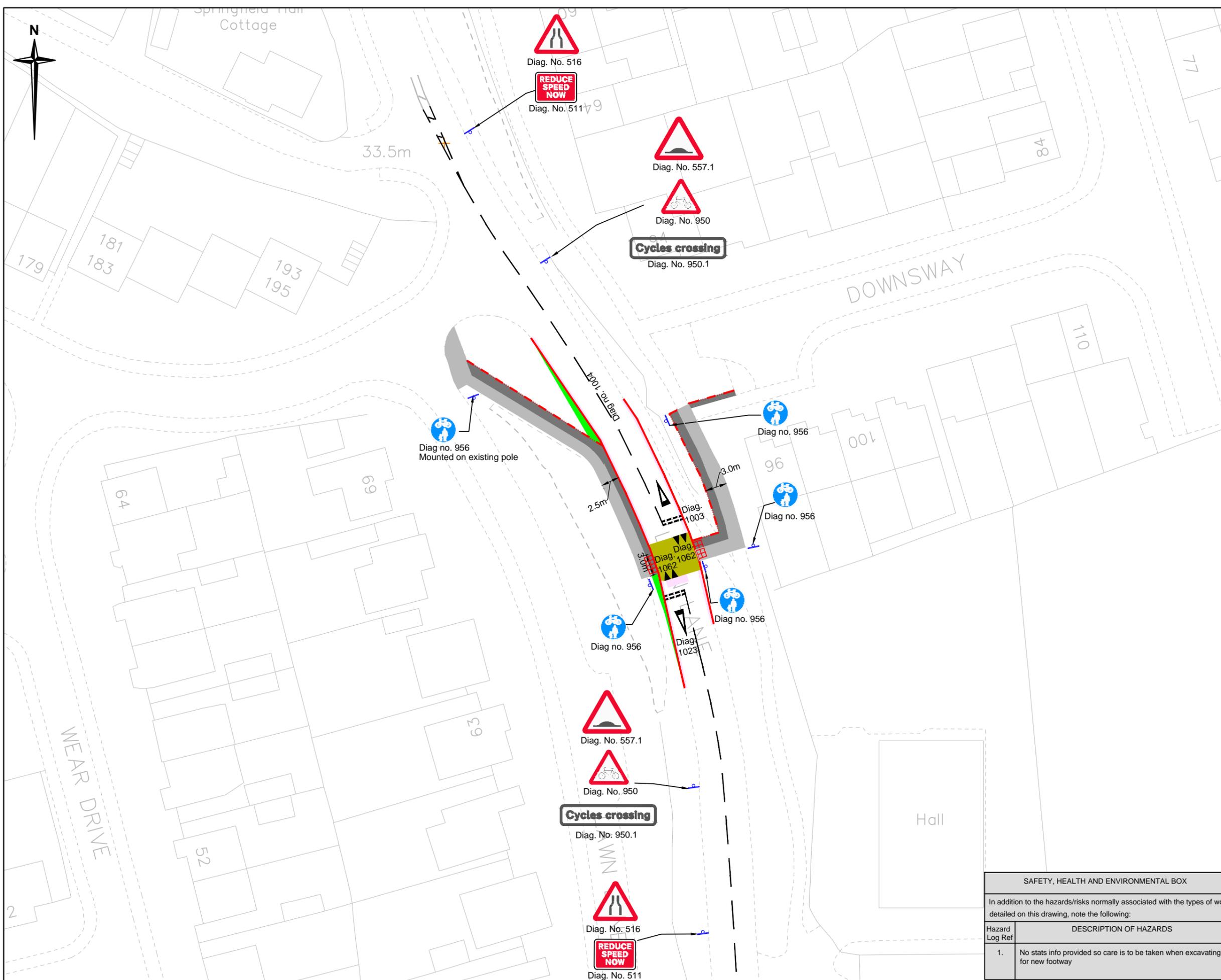
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 Tel: 0845 6037631 © Essex County Council

**LAWN LANE / WAVENEY DRIVE
 SHARED USE FOOTWAY
 AND CROSSING**

**GENERAL ARRANGEMENT
 Option - 2
 (Traffic calming Chicane)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	AG	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway



- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs in accordance with Traffic Sign Manual (TSM) and the Traffic Signs and Regulations and General Directions (TSRGD)
- Key**
- Proposed Precast Concrete HB2 Kerb as per Essex folio EB100
 - Proposed Retaining wall
 - Proposed Edging Kerb (EF150) laid flush with footway as per Essex folio EB102
 - Proposed Footway Construction
 - Existing Footway
 - Proposed Carriageway Construction
 - Proposed flat top speed hump
 - Proposed verge
 - Proposed Road Signs
 - Proposed Road markings

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	AG	BB	MMK	BS

FEASIBILITY STUDY



Mark Rowe, Service Director, Highways
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 Tel: 0845 6037631 © Essex County Council

**LAWN LANE / WAVENEY DRIVE
 SHARED USE FOOTWAY
 AND CROSSING**

**GENERAL ARRANGEMENT
 (Option - 3)
 (Informal Crossing on Speed Hump)**

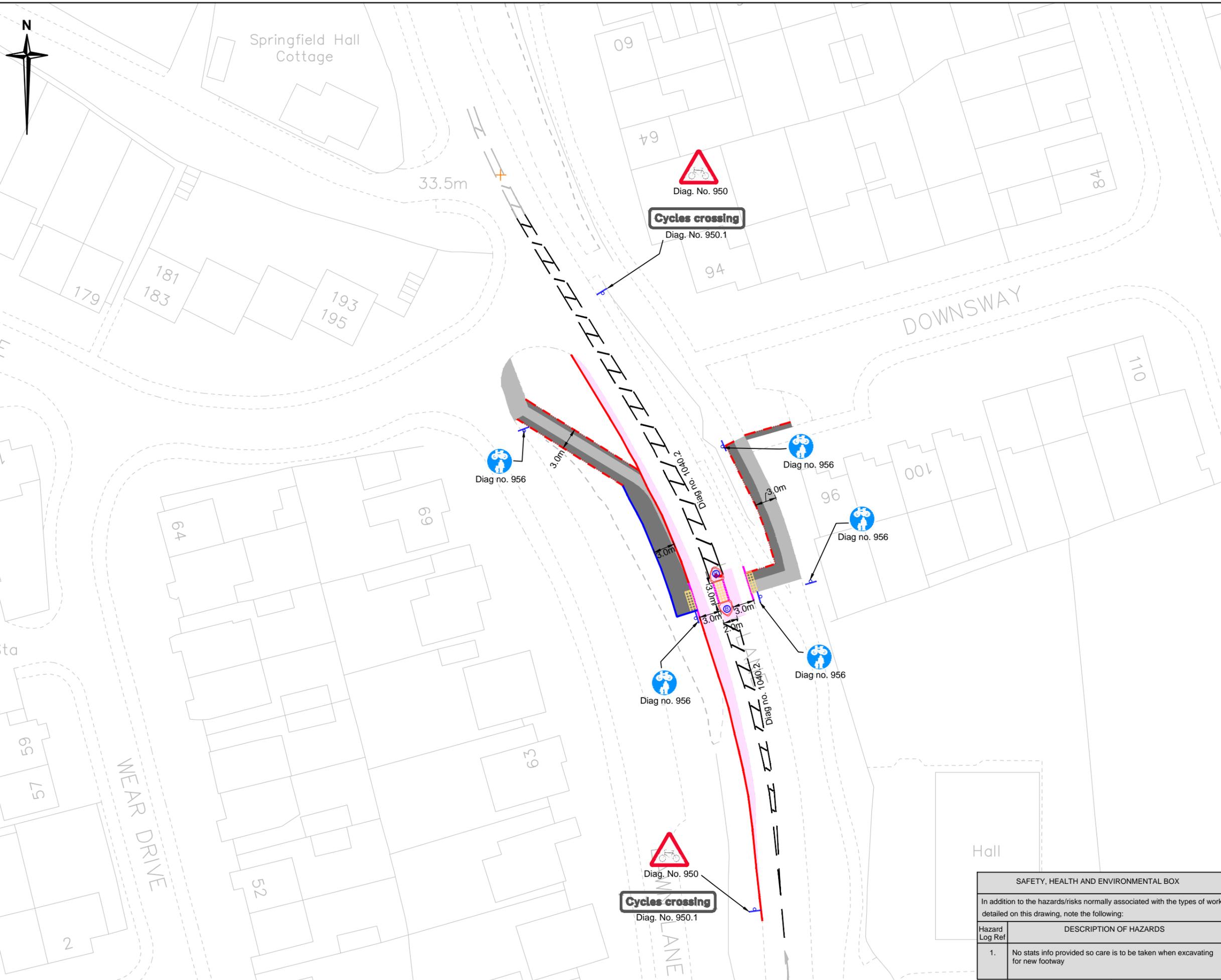
SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	AG	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	26.04.16	26.04.16

DRAWING UNITS U.N.O.
 DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES

SCALE AT A3 (420x297mm)
 1:500

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- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs in accordance with Traffic Sign Manual (TSM) and the Traffic Signs and Regulations and General Directions (TSRGD)
- Key**
- Proposed Precast Concrete HB2 Kerb as per Essex folio EB100
 - Proposed Retaining wall
 - Proposed Edging Kerb (EF150) laid flush with footway as per Essex folio EB102
 - Dropped Kerb
 - Proposed Footway Construction
 - Proposed Carriageway Construction
 - Existing Footway
 - Proposed Tactile Paving as per Essex folio EB121
 - Indicative Proposed Lighting Column
 - Indicative Proposed illuminated Bollard
 - Proposed Road markings
 - Proposed Pedestrian refuge
 - Proposed Road Signs

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	AG	BB	MMK	BS

FEASIBILITY STUDY



Mark Rowe, Service Director, Highways
 County Hall A2 Annex, Chelmsford, CM1 1QH
 Tel: 0845 6037631 © Essex County Council

**LAWN LANE / WAVENEY DRIVE
 SHARED USE FOOTWAY
 AND CROSSING**

**GENERAL ARRANGEMENT
 Option - 4
 (Pedestrian Refuge)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	AG	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

DRAWING UNITS U.N.O.
 DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES

SCALE AT A3 (420x297mm)
 1:500

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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Hullbridge Road - bus stop

Executive Summary – Feasibility Study

Highway Improvements Design Team (SMO2)

May 20, 2016

Date: 20 May 2016

Author: Jacobs Reachback for (HIDT SMO2)

Scheme Reference: HI 4146
Feasibility Study
Bus Stop / footway improvements
Hullbridge Road, South Woodham Ferrers

Executive Summary

- Jacobs Reachback have provided a Feasibility Study with regards to the bus stop / footway improvements proposed at Hullbridge Road, South Woodham Ferrers, Chelmsford
- Road Safety Assessment (not in accordance to HD19/15)
- 3No. drawings have been provided (see Appendix 'A')
- A provisional cost estimate has been provided:-
 - £3,679.20

Prepared by:	Jacobs Reachback (Dublin)	Date:	20 May 2016
Approved by:	Mike Shearcroft	Date:	20 May 2016

Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

**Scheme Reference: HI 4146
Feasibility Study
Bus Stop / footway improvements
Hullbridge Road, South Woodham Ferrers**

Appendix A – Drawings

Please refer to drawing numbers found below for further information regarding the detailed design.

HI- 4146-00-001	General Arrangement
HI- 4146-00-002	Typical Cross Section
HI- 4146-01-001	Location Plan

HIDT initial review of supplied third party scheme design

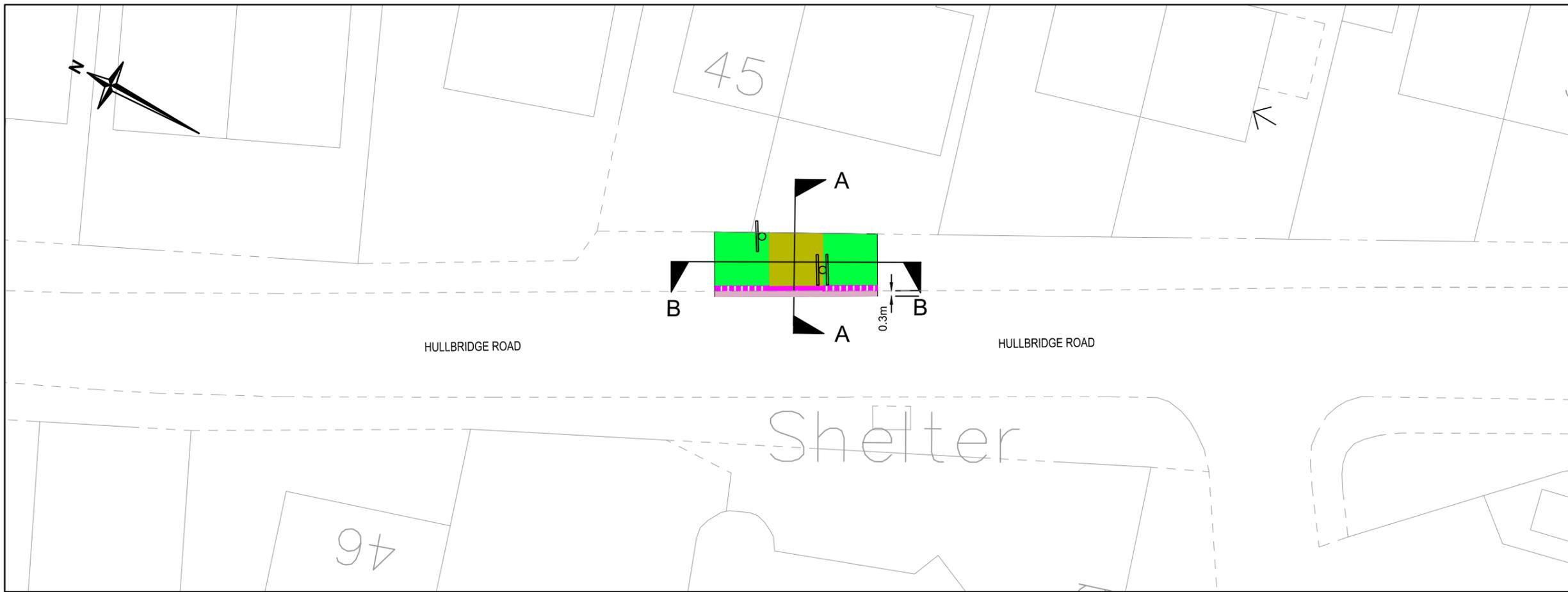
Whilst the scheme works are being provided to the LHP for consideration, the points raised by the reviewing HIDT Engineer will need to be addressed prior to any scheme implementation:-

- There are level issues with this site for the proposed installation of bus kerbs. Currently bullnose kerbs are in place along the proposed location of the bus kerbs with a kerb height of approx.6mm with the footway falling away from the carriageway.
- There is a channel dish at the rear of the footway which is linked into one footway gully that has a tuft of grass growing out of it and the channel dishes are nearly full up with debris. Looking at the photos on file that were taken in September 2015 it is clear that the channel dishes have not been cleaned out and the debris has increased. If the kerb face is increased to 180mm as per ECC folio DWG EB129 the cross fall gradient will be greater than 1:15 and may not be within the maximum gradient of 1:12. I have worked out the 1:15 gradient based on a level footway 2.8m wide with a 180mm kerb face. As the footway is not level and is falling to the rear then the gradient will be steeper in reality.
- I have another concern with the proposed location of the bus kerbs outside of No.47 which will reduce the width of their vehicle crossing to 3.2m (see attached sketch). The length of the bus stop kerbs extend for 9m which leave them approximately 1.5m from the vehicle crossing of No.45 which could be used to reposition the kerbs further north.
- Bus stop kerbs have been installed on the opposite side of the carriageway but the required design levels have been achieved.

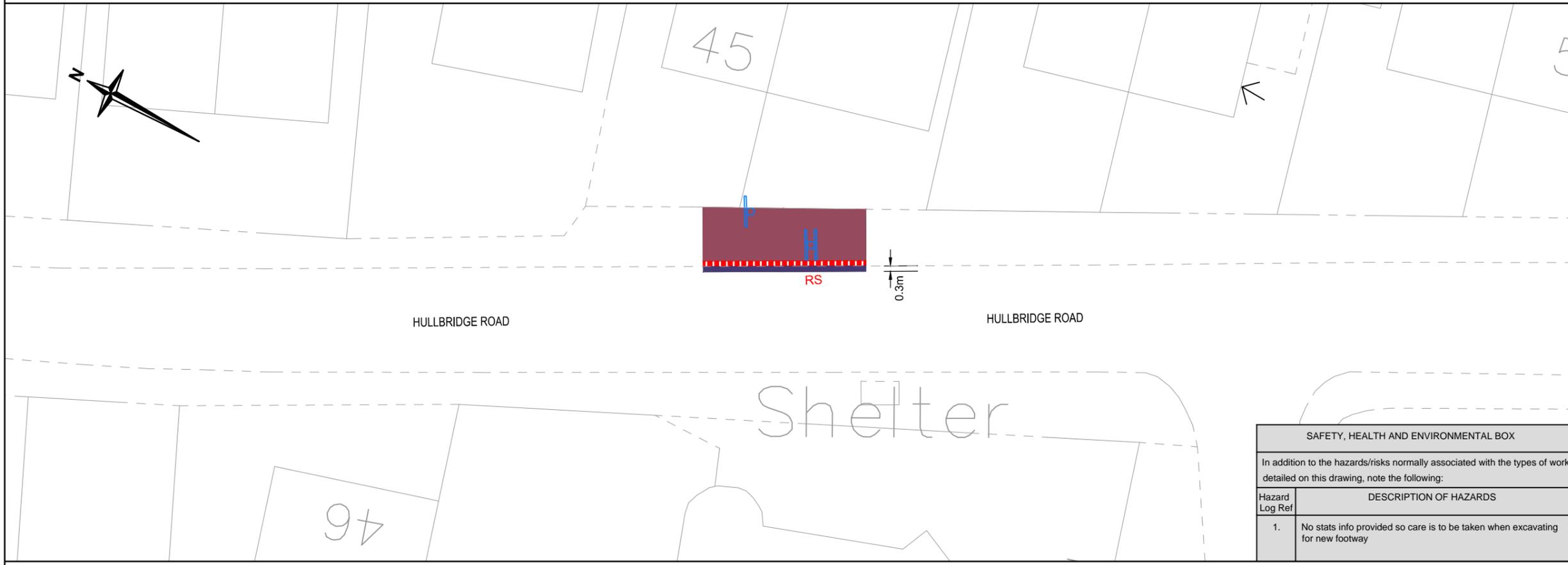
Photos

<N:\9 Trans Impr\DC1\Projects\DC Scheme Files 2015-16\HI4146 Hullbridge Road opp rail stn, SWF\9 - Site Information>

**Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)**



GENERAL ARRANGEMENT



SITE CLEARANCE

- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. Footway crossfall to be (min 2% and max 3%) and tie into existing surfaces and kerbs in line and level. Levels to be constructed so that flat spots are not created within the pavement.
 4. For details of long section & cross section (A - A), (B - B), please refer drawing No. HI4146-00-002

- Key :- General Arrangement**
- Precast Concrete Bus Kassel Kerb as per Essex folio EB129
 - Precast Ramp Block Set as per Essex folio EB129
 - Proposed footway to be constructed as per Inset A
 - Proposed Ramp/footway to be constructed
 - Proposed Carriageway to be constructed
 - Existing signs to be relocated and mounted on new poles with mounting height of 2100mm

- Key :- Site Clearance**
- Existing Dropped kerb to be removed
 - Existing footway to be excavated up to a depth of 60mm
 - Existing Carriageway to be excavated up to a depth of 120mm
 - Existing traffic sign to be removed to Contractor's store for re-erection.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	15 APR 15	DRAFT	MS	BB	MMK	BS

FEASIBILITY STUDY



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Seax House, Victoria Road South, Chelmsford, CM1 1QH.
Tel: 0345 6037631 © Essex County Council

BUS STOP OPPOSITE SWF RAIL STATION RAISED KERBS ON HULLBRIDGE ROAD

GENERAL ARRANGEMENT

SAFETY, HEALTH AND ENVIRONMENTAL BOX

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
SB	MS	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
05.04.16	05.04.16	05.04.16	05.04.16	05.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:250

DRAWING No. **HI4146-00-001** Page 19 of 39

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Springfield Green / Timson Lane Chelmsford

Executive Summary – Feasibility Study
Highway Improvements Design Team (SMO2)

Executive Summary

- Jacobs Reachback have provided a Feasibility Study with regards to the cycleway improvements proposed at Springfield Green / Timsons Lane in the district of Chelmsford
- Utilities Summary has been provided with estimated costs (£298,313.94)
- Three drawings have been provided (see Appendix 'A')
- 5No. options have been provided:-
 - Option 1 – Additional signage
 - Option 2 – Traffic calming - Raised table
 - Option 3 – Centre line removal
 - Option 4 – Shared use zebra crossing
 - Option 5 – Tiger crossing
 - Option 6 – Toucan crossing
- A provisional cost estimate has been provided:-
 - Option 1: £5,500
 - Option 2: £42,252.17
 - Option 3: £2,750
 - Option 4: £246,000
 - Option 5: £254,000
 - Option 6: £298,000

Prepared by:	Jacobs Reachback (Dublin)	Date:	20 May 2016
Approved by:	Mike Shearcroft	Date:	20 May 2016

Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

**Scheme Reference: HI 4151
Feasibility Study
Springfield Green / Timsons Lane, Chelmsford**

Appendix A – Drawings

Please refer to drawing numbers found below for further information regarding the detailed design.

HI- 4151-01-001	Location Plan
HI- 4151-00-001	Option 1 – General Arrangement
HI- 4151-00-002	Option 1 – General Arrangement - Additional Signage
HI- 4151-00-003	Option 1 – General Arrangement - Additional Signage
HI- 4151-00-001	Option 2 – General Arrangement - Raised Table
HI- 4151-00-002	Option 2 – General Arrangement - Raised Table
HI- 4151-00-003	Option 2 – General Arrangement - Raised Table
HI- 4151-00-001	Option 3 – General Arrangement - Line Removal
HI- 4151-00-002	Option 3 – General Arrangement - Line Removal
HI- 4151-00-003	Option 3 – General Arrangement - Line Removal
HI- 4151-00-001	Option 4 – General Arrangement - Zebra Crossing
HI- 4151-00-001	Option 5 – General Arrangement – Tiger Crossing
HI- 4151-00-001	Option 6 – General Arrangement – Toucan Crossing

Points arising from third party scheme design

I would be reluctant about promoting option 3.

Option 1 (drawings 01-001-003)

- Not sure that Springfield has a Town centre
- Chelmsford should be City centre, not Town centre.
- Some of the signs appear to point in the wrong direction – see mark ups

Option 2 (drawings 02-001-003)

- I believe it is standard practise to have raised tables set back from junction bell-mouths approx. 5m. This way when a vehicle is waiting at the junction they are not obstructing the crossing point.
- The dashed line to diagram 1009 appears to be missing from the drawings.

Option 3 – removal of centre line

- This option should only be progressed if advisory cycle lanes are proposed.
- A 6.5m carriageway will allow 1.5m cycle lanes and a 3.5m general traffic lane (LTN 2/08)
- This option should only be proposed where vehicles speeds and flows are low, particularly HGV flow. This option should have an assessment of the daily traffic flow and peak hour flow.

Date: 20 May 2016

Author: Jacobs Reachback for (HIDT SMO2)

Scheme Reference: HI 4151
Feasibility Study
Springfield Green / Timsons Lane, Chelmsford

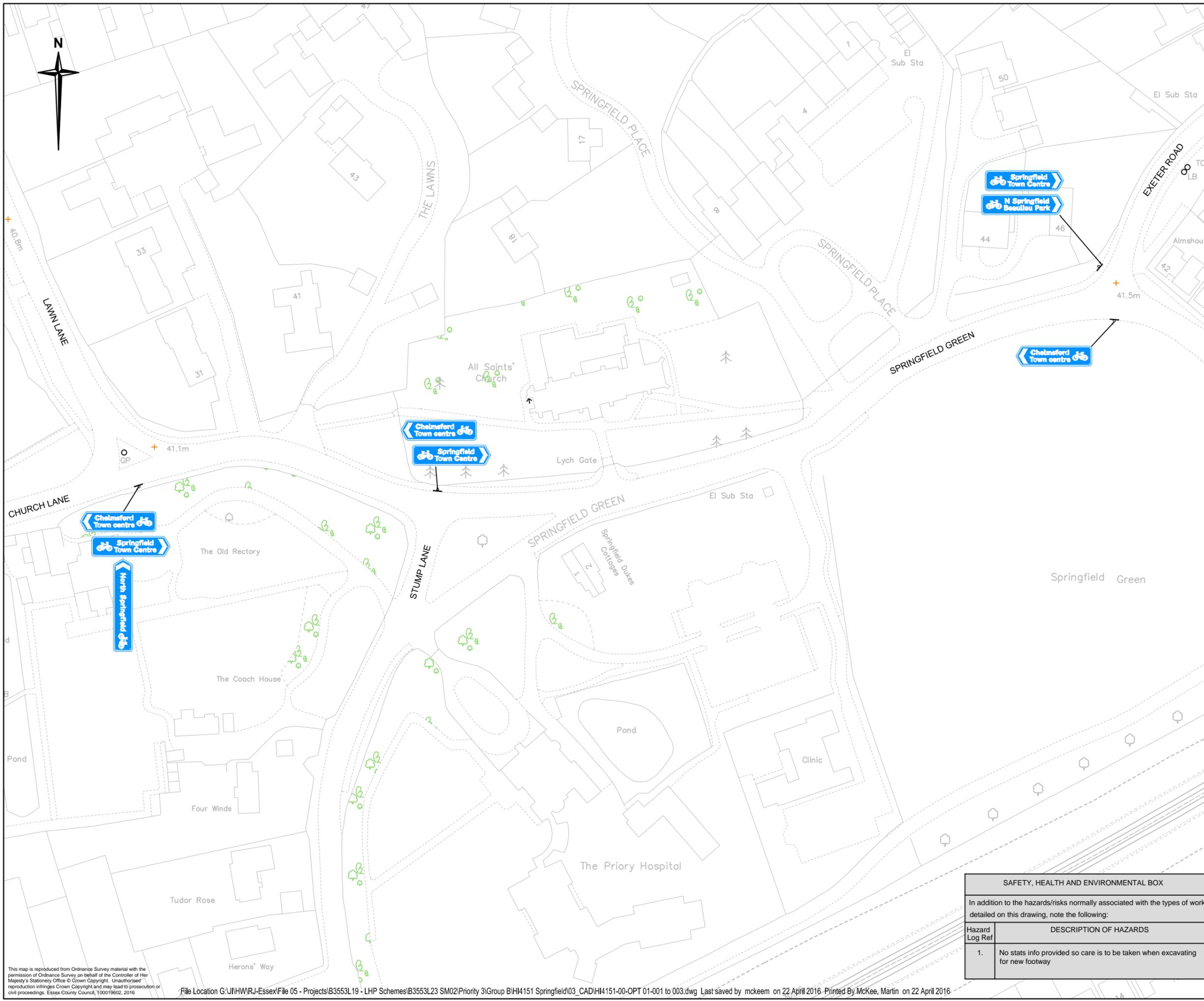
Option 4 – Shared use zebra crossing

- Cyclist dismount signs are required for this option as legally a vehicle does not have to give way to a cyclist riding across a zebra crossing.

Option 5 – Tiger Crossing

- Not sure how these are legally implemented??

Options 4,5 & 6 – need to consider the traffic count on Springfield Road as this will guide the choice of infrastructure to provide.



- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

⬆ Proposed Road Sign

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

FEASIBILITY STUDY



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 Seax House, Victoria Road South, Chelmsford, CM1 1QH.
 Tel: 0345 6037631 © Essex County Council

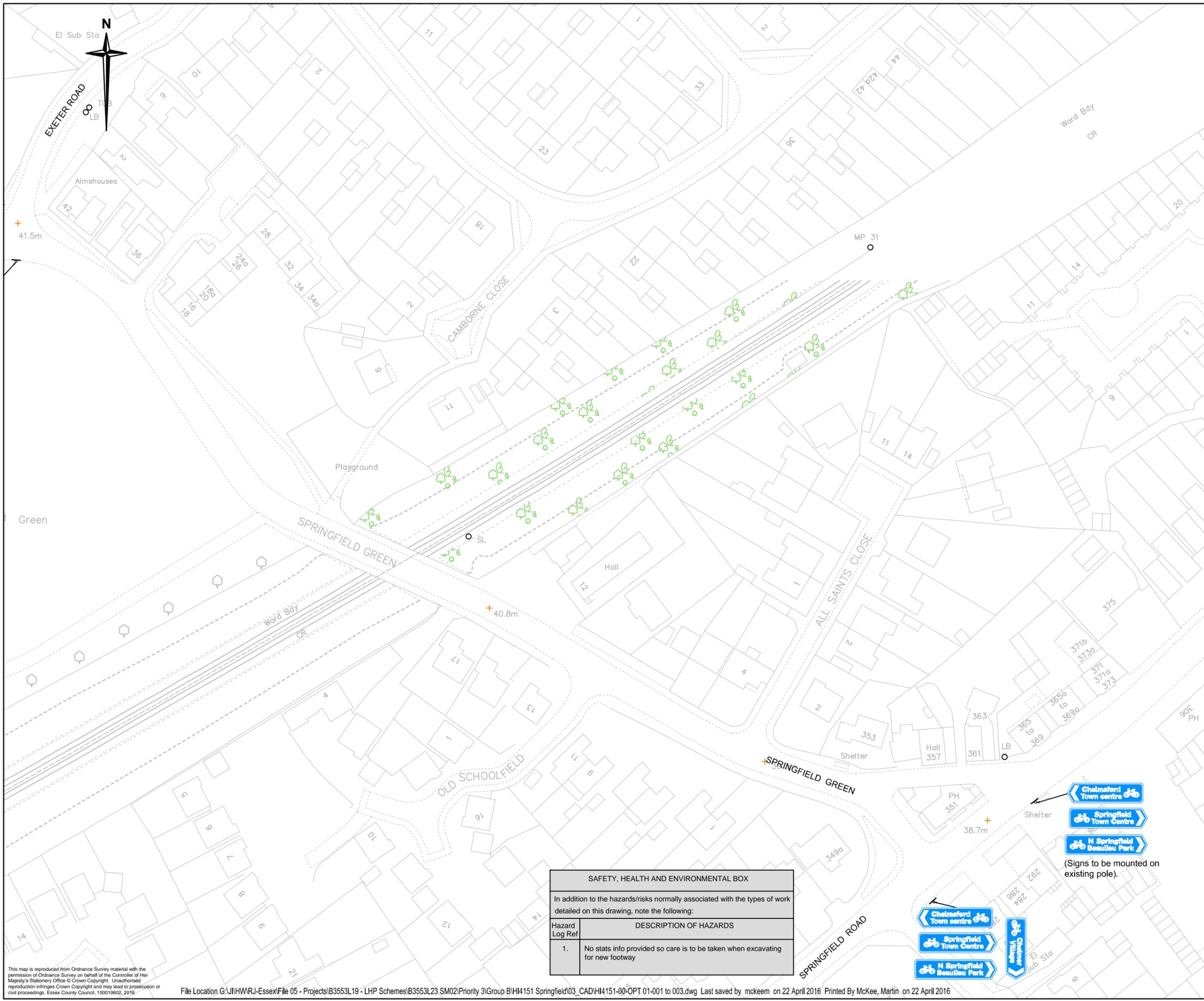
**SPRINGFIELD GREEN /
 TIMSONS LANE
 CYCLEWAY IMPROVEMENTS**

**GENERAL ARRANGEMENT
 OPTION 1
 (Additional Signage)**

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16
DRAWING UNITS U.N.O.			SCALE AT A3 (420x297mm)	
DIMENSIONS IN MILLIMETRES			1:1000	
LEVELS IN METRES				
DRAWING No.				REV.

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- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

⊥ Proposed Road Sign

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

FEASIBILITY STUDY



Mark Rowe, Service Director, Highways
Seax House, Victoria Road South, Chelmsford, CM1 1QH.
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SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

GENERAL ARRANGEMENT OPTION 1 (Additional Signage)

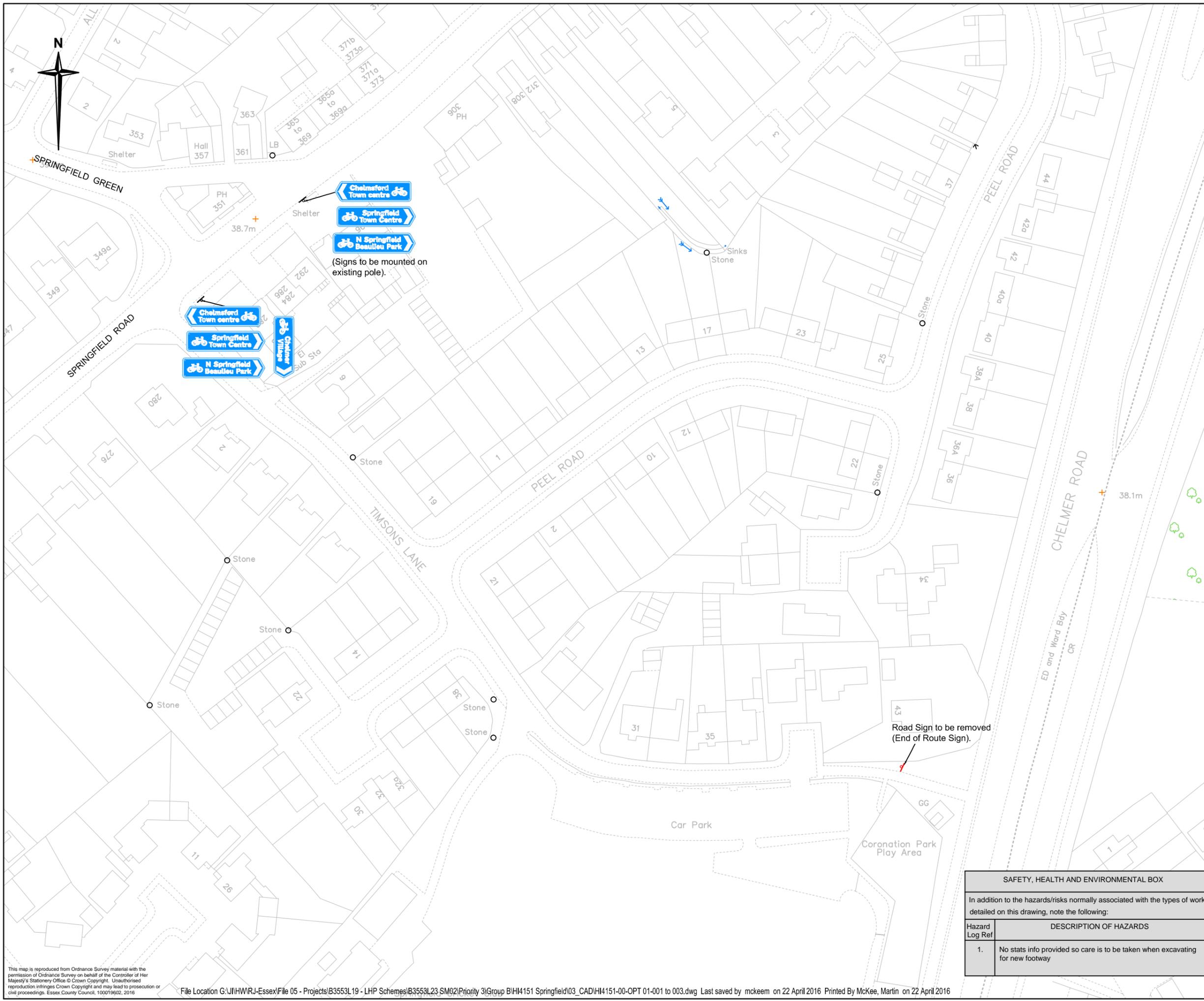
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:1000

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway



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- Notes:**
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 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

- Key**
- Proposed Road Sign
 - Traffic Sign removed to store

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

FEASIBILITY STUDY



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Tel: 0345 6037631 © Essex County Council

SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

GENERAL ARRANGEMENT OPTION 1 (Additional Signage)

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE 22.04.16	DATE 22.04.16	DATE 22.04.16	DATE 22.04.16	DATE 25.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:1000

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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Lych

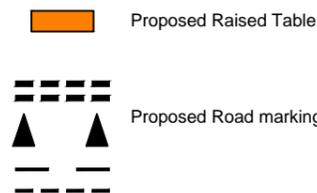
SPRINGFIELD GREEN

STUMP LANE

Notes:

1. Do not scale.
2. This drawing is to be read in conjunction with all other contract drawings and documents.
3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key



Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

DRAWING STATUS
FEASIBILITY STUDY



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SCHEME TITLE
**SPRINGFIELD GREEN /
 TIMSONS LANE
 CYCLEWAY IMPROVEMENTS**

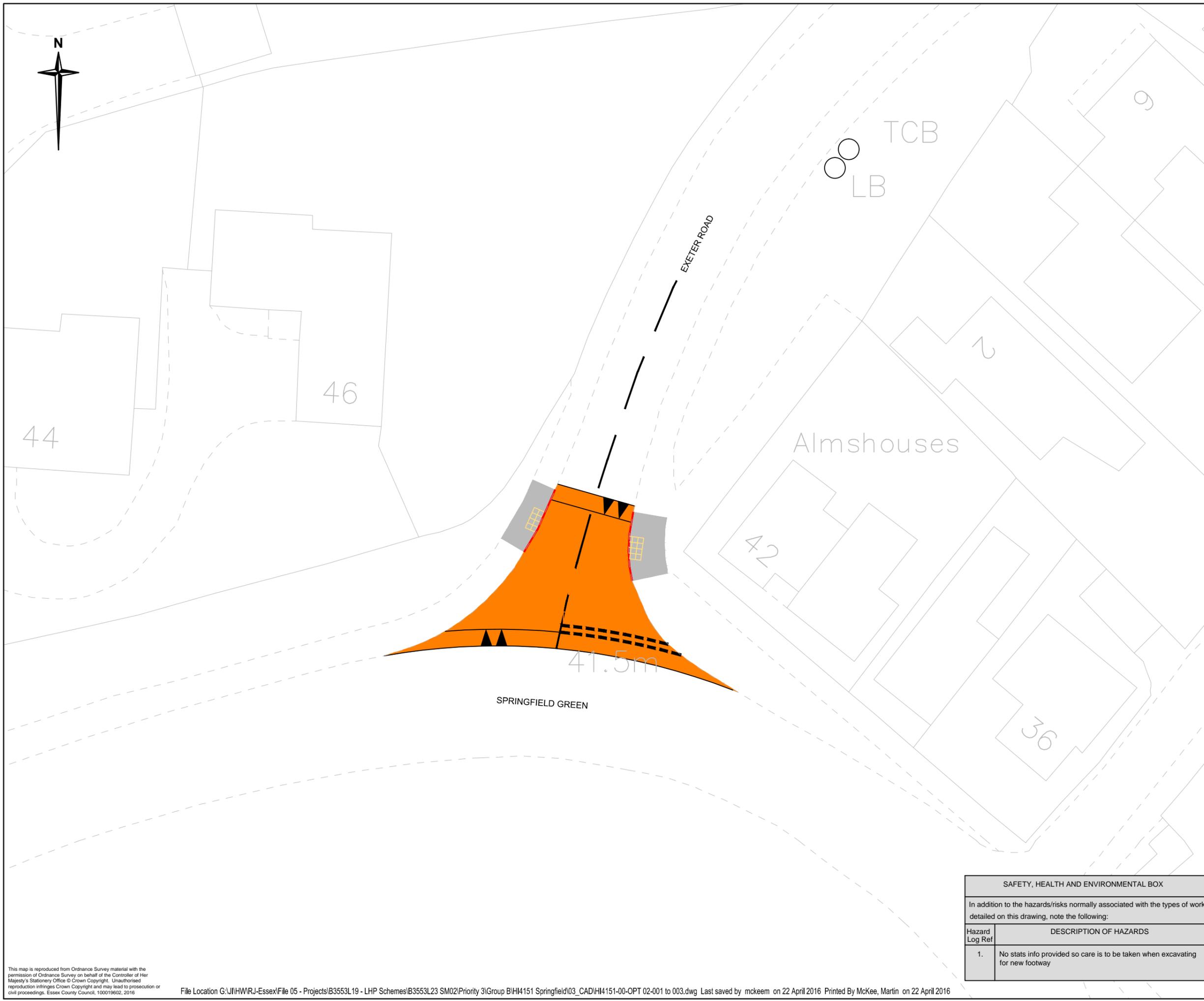
DRAWING TITLE
**GENERAL ARRANGEMENT
 OPTION 2
 (Raised Table)**

SAFETY, HEALTH AND ENVIRONMENTAL BOX					
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:					
Hazard Log Ref	DESCRIPTION OF HAZARDS				
1.	No stats info provided so care is to be taken when excavating for new footway				

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

DRAWING UNITS U.N.O. SCALE AT A3 (420x297mm)
 DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES 1:250

DRAWING No. **HI4151-00-OPT 02-001** REV. **02**
 Page 27 of 39



- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

- Precast Concrete HB2 Kerb as per Essex folio EB100
- Proposed Raised Table
- Proposed Footway Construction: 20mm, AC 6 dense surf 100/150 40mm, AC 20 dense bin 100/150 85mm type 1 sub-base
- Proposed Tactile Paving as per Essex folio EB121
- Proposed Road markings
- Proposed Road markings

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

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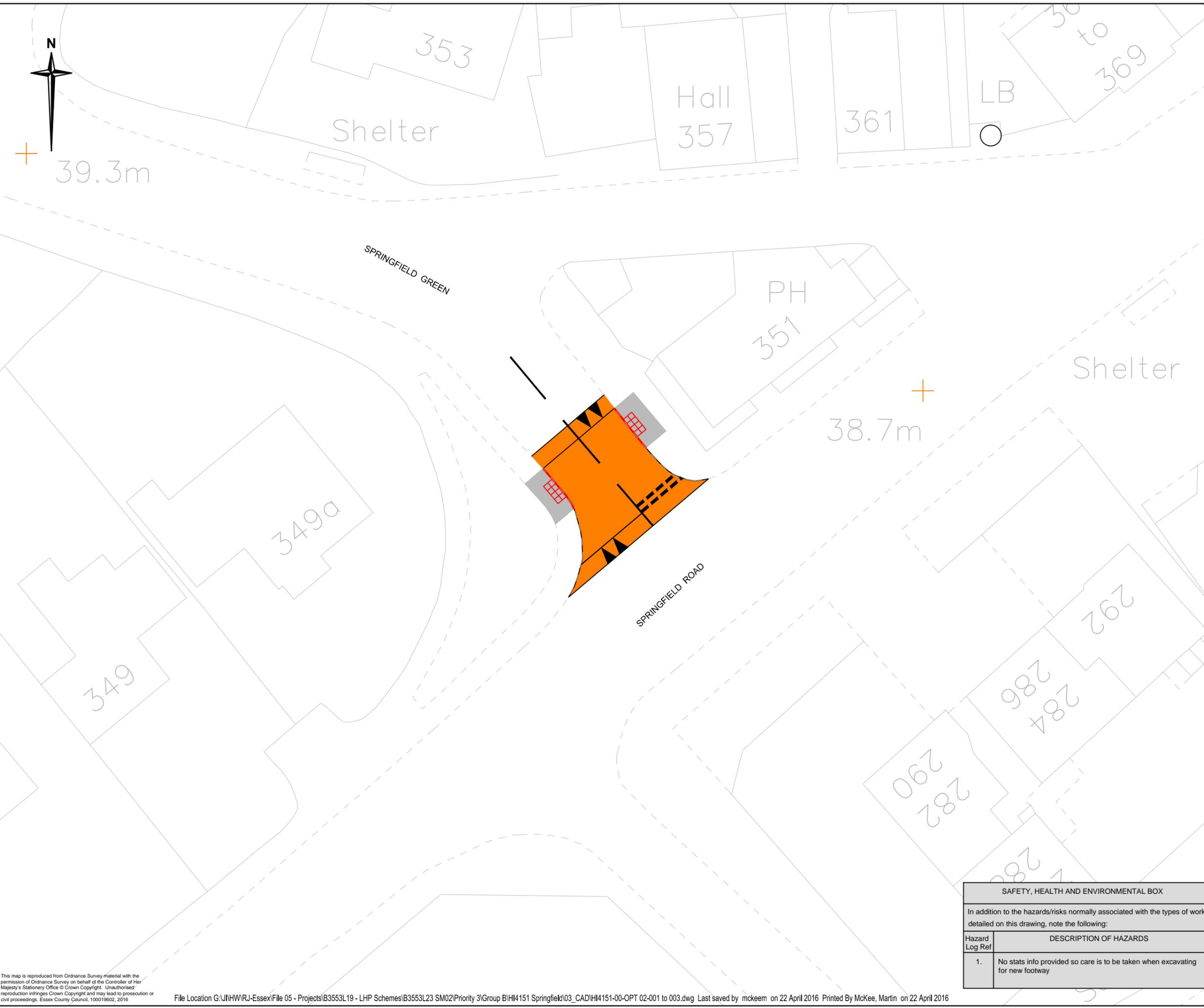
SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

GENERAL ARRANGEMENT OPTION 2 (Raised Table)

SAFETY, HEALTH AND ENVIRONMENTAL BOX					
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:					
Hazard Log Ref	DESCRIPTION OF HAZARDS				
1.	No stats info provided so care is to be taken when excavating for new footway				

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) 1:250

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3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

-  Precast Concrete HB2 Kerb as per Essex folio EB100
-  Proposed Raised Table
-  Proposed Footway Construction: 20mm, AC 6 dense surf 100/150 40mm, AC 20 dense bin 100/150 85mm type 1 sub-base
-  Remove existing tactile paving and bedding material to tip off site
-  Proposed Road markings

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

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SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

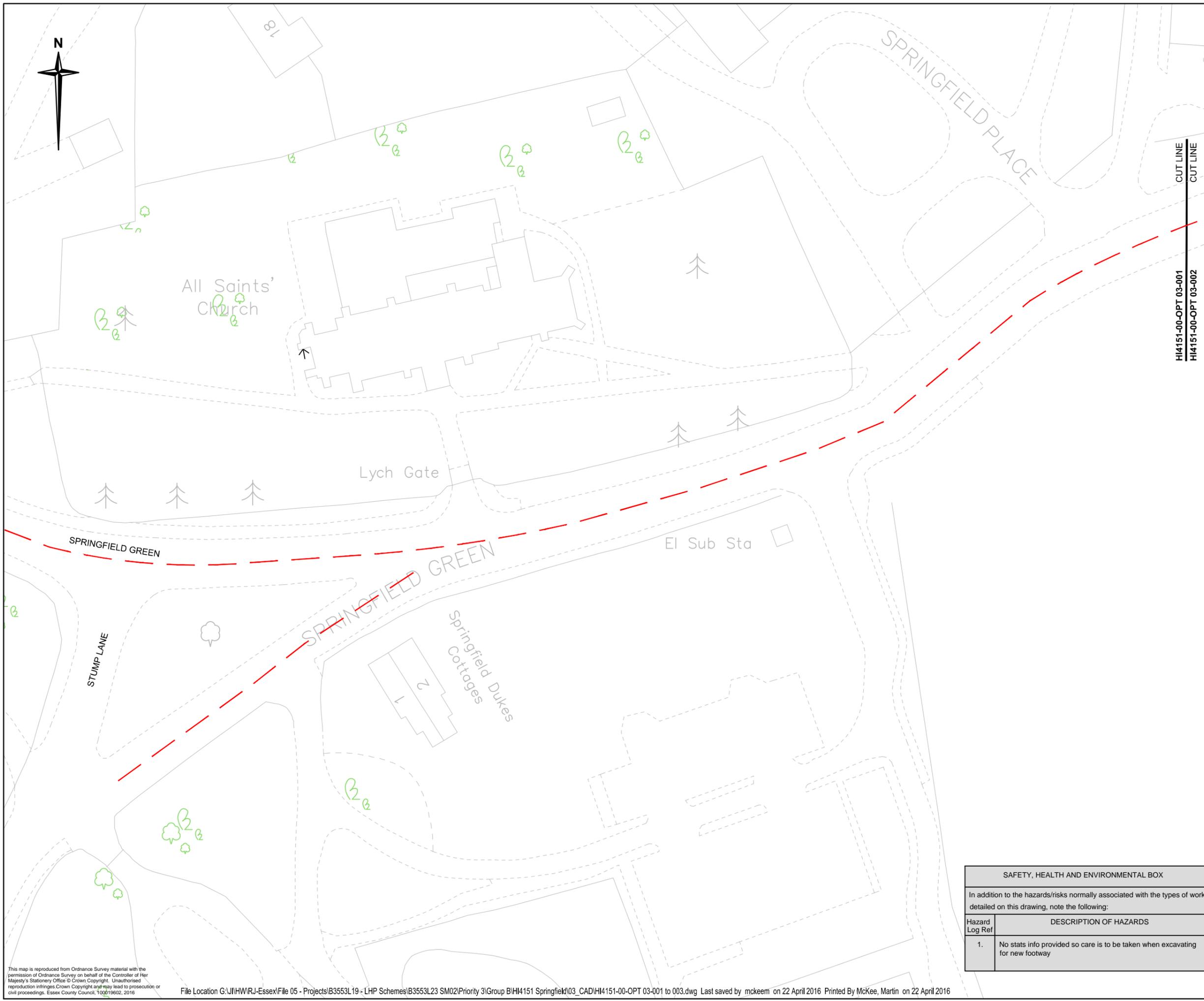
GENERAL ARRANGEMENT OPTION 2 (Raised Table)

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:250

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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Notes:

1. Do not scale.
2. This drawing is to be read in conjunction with all other contract drawings and documents.

Key

- Existing Road Marking to be removed

CUT LINE
 HI4151-00-OPT 03-001
 CUT LINE
 HI4151-00-OPT 03-002

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

DRAWING STATUS
FEASIBILITY STUDY



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SCHEME TITLE
**SPRINGFIELD GREEN /
 TIMSONS LANE
 CYCLEWAY IMPROVEMENTS**

DRAWING TITLE
**GENERAL ARRANGEMENT
 OPTION 3
 (Centre Line Removal)**

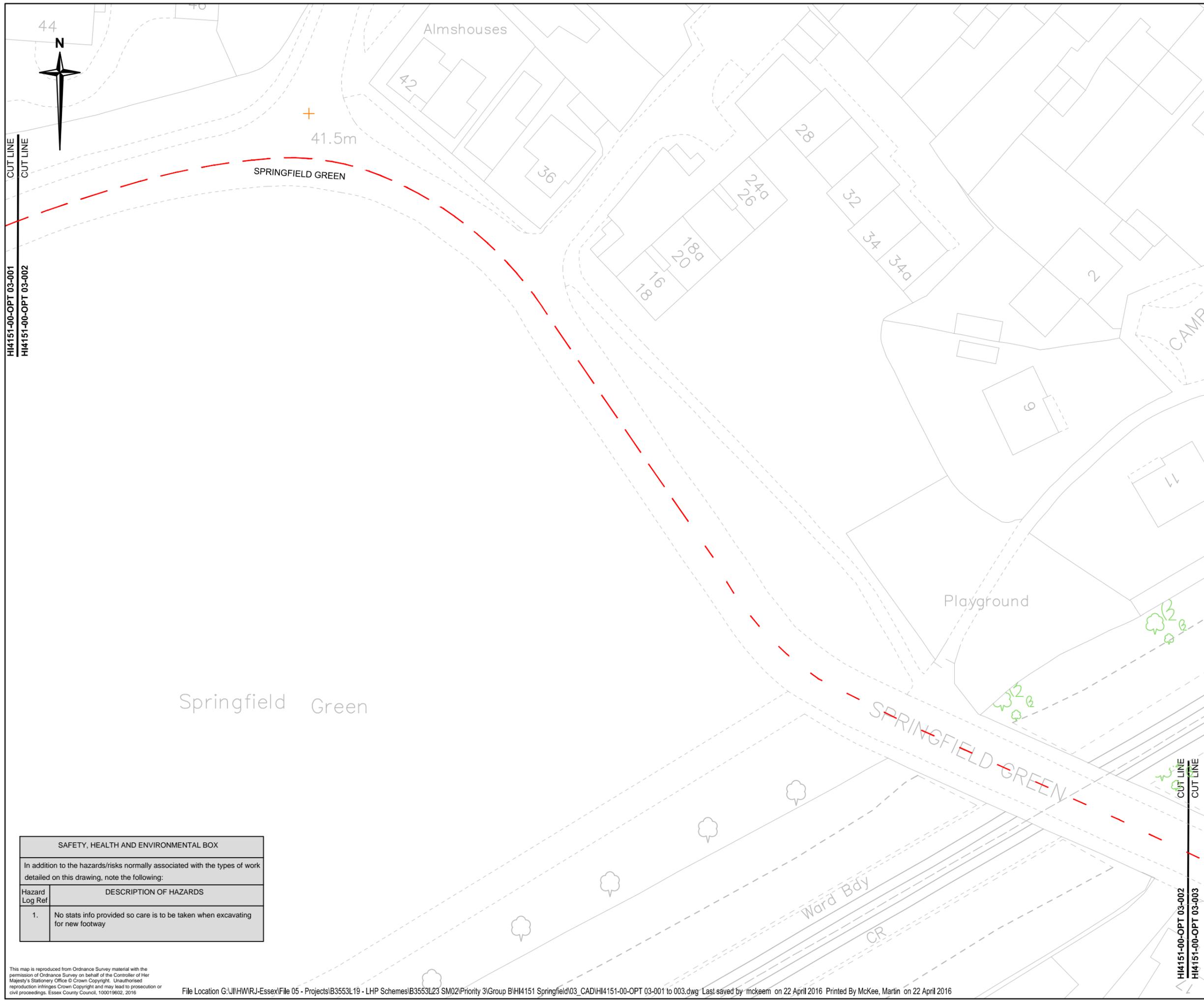
SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE 22.04.16	DATE 22.04.16	DATE 22.04.16	DATE 22.04.16	DATE 25.04.16

DRAWING UNITS U.N.O.
 DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES
 SCALE AT A3 (420x297mm)
 1:500

DRAWING No. **HI4151-00-OPT 03-001** REV. **03**
 Page 30 of 39

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- Notes:**
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 2. This drawing is to be read in conjunction with all other contract drawings and documents.

Key

--- Existing Road Marking to be removed

HI4151-00-OPT 03-001
 HI4151-00-OPT 03-002

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

DRAWING STATUS
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SCHEME TITLE
SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

DRAWING TITLE
GENERAL ARRANGEMENT OPTION 3 (Centre Line Removal)

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

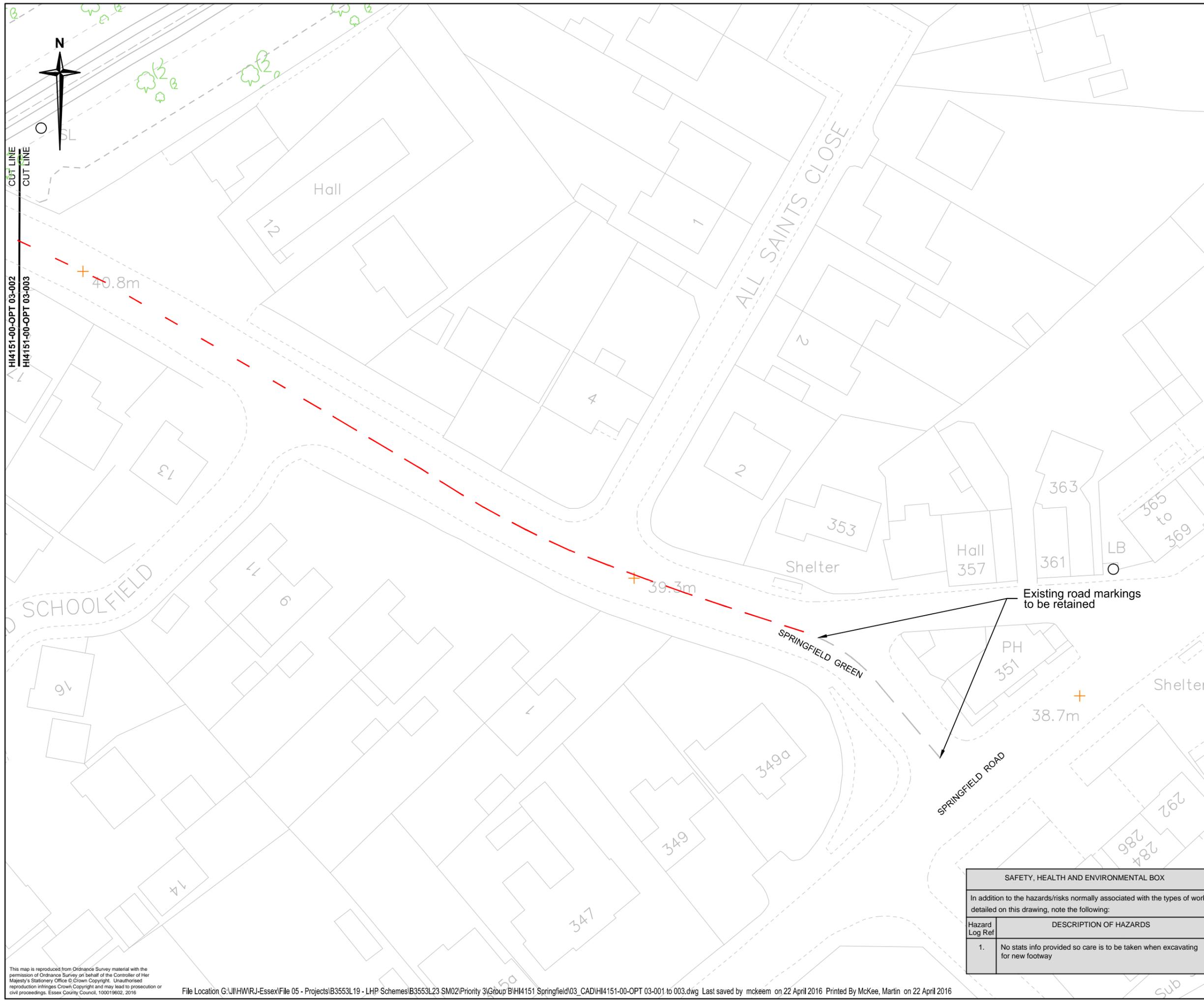
DRAWING UNITS U.N.O.
 DIMENSIONS IN MILLIMETRES
 LEVELS IN METRES

SCALE AT A3 (420x297mm)
 1:500

DRAWING No. **HI4151-00-OPT 03-002** REV. **31** of **39**

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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- Notes:**
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 2. This drawing is to be read in conjunction with all other contract drawings and documents.

Key

--- Existing Road Marking to be removed

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	Draft	RK	BB	MMK	BS

DRAWING STATUS
FEASIBILITY STUDY



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SCHEME TITLE
SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

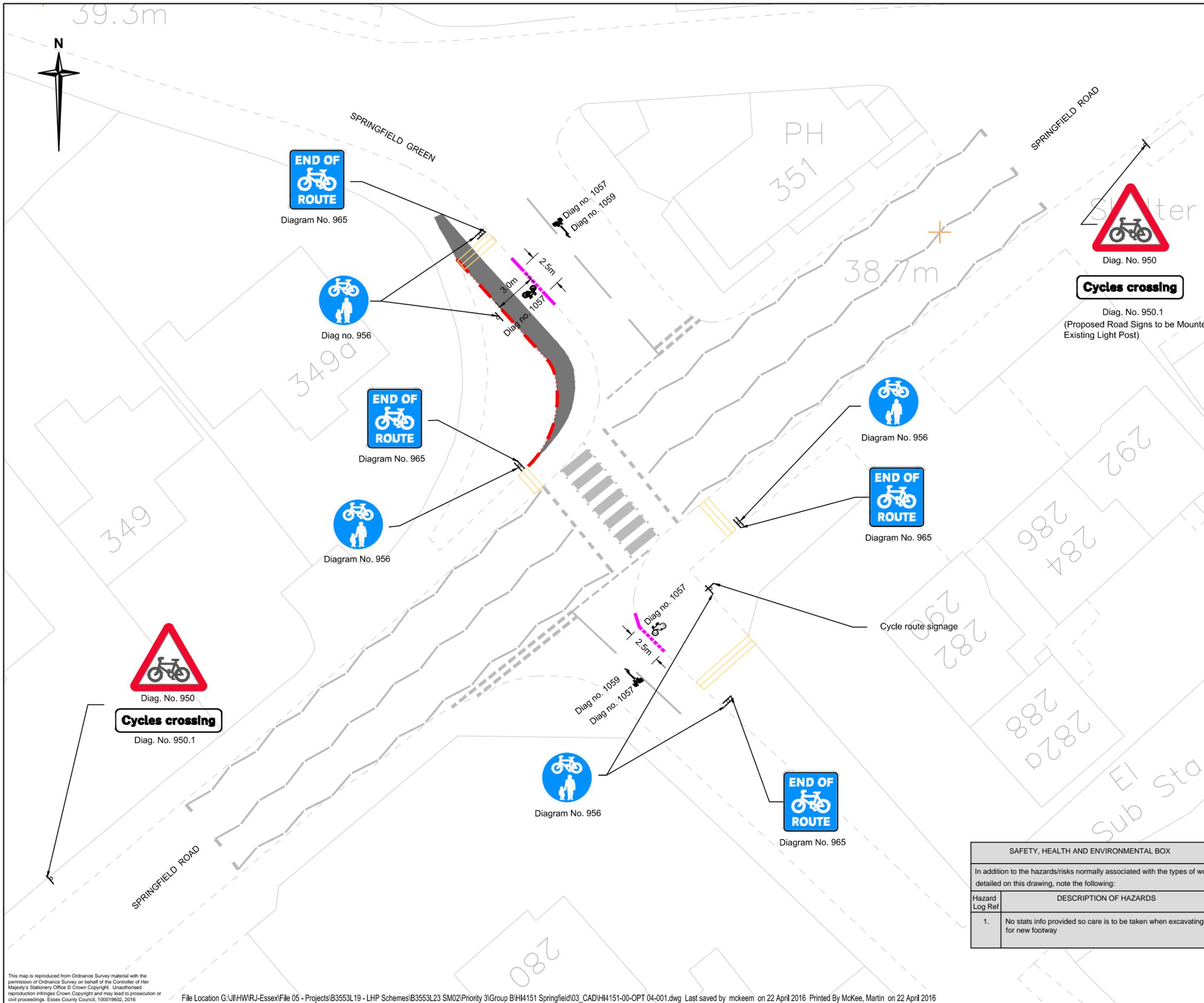
DRAWING TITLE
GENERAL ARRANGEMENT OPTION 3 (Centre Line Removal)

SAFETY, HEALTH AND ENVIRONMENTAL BOX					
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:					
Hazard Log Ref	DESCRIPTION OF HAZARDS				
1.	No stats info provided so care is to be taken when excavating for new footway				

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
22.04.16	22.04.16	22.04.16	22.04.16	25.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:500

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- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

- Proposed Road Sign
- Diagram 1057 - Cycle lane, track or route
- Diagram 1059 - Directions in which pedal cycles should travel along a cycle lane, track or route
- Existing Road Markings
- Corduroy tactile paving
- Proposed Edging Kerb (EF150) laid flush with footway as per Essex folio EB102
- Bullnose Kerb / Dropped Kerb
- Proposed Footway Construction

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr 16	Draft	RK	BB	MMK	BS

FEASIBILITY STUDY



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SPRINGFIELD GREEN / TIMSONS LANE CYCLEWAY IMPROVEMENTS

GENERAL ARRANGEMENT OPTION 4 (Zebra Crossing)

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
15.04.16	15.04.16	15.04.16	20.04.16	21.04.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) 1:250

SAFETY, HEALTH AND ENVIRONMENTAL BOX

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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39.3m

Shelter

Hall
357

361

LB

SPRINGFIELD GREEN

PH
351

SPRINGFIELD ROAD

Shelter

38.7m



Diagram No. 965



Diag no. 956



Diagram No. 965



Diagram No. 956



Diagram No. 956



Diagram No. 965



Diagram No. 956



Diagram No. 965

Notes:

1. Do not scale.
2. This drawing is to be read in conjunction with all other contract documents.
3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM), Traffic Signs Regulations and General Directions (TSRGD).

Key

- Proposed Tactile Paving
- Proposed Edging Kerb (EF150) laid flush with footway as per Essex folio EB102
- Bullnose Kerb / Dropped Kerb
- Proposed Footway Construction
- Proposed Road Sign
- Diagram 1001.3 - Zig Zag Line at crossing, 100mm wide.
- Diagram 1055.1 - Road Studs
- Diagram 1001 - Stop Line
- Continuous White Line, 200mm wide.
- Corduroy tactile paving
- Tall pole with 2 primary signal heads, one mounted at standard height and the other at the top of the pole
- Standard 4m pole with primary signal heads
- Pushbutton unit with Toucan indicator mounted above (30° from line of kerb face)
- Pushbutton unit (mounted 30° from line of kerb face)
- Diagram 1057 - Cycle lane, track or route
- Diagram 1059 - Directions in which pedal cycles should travel along a cycle lane, track or route

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved
0	Apr16	DRAFT	RK	BB	MMK	BS

DRAWING STATUS
FEASIBILITY STUDY



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SCHEME TITLE
**SPRINGFIELD GREEN /
TIMSONS LANE
CYCLEWAY IMPROVEMENTS**

DRAWING TITLE
**GENERAL ARRANGEMENT
OPTION 6
(Toucan Crossing)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
RS	RK	BB	MMK	BS
DATE	DATE	DATE	DATE	DATE
15.04.16	15.04.16	15.04.16	20.04.16	21.04.16

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
1:250
DRAWING No. **HI4151-00-OPT 06-001** REV. **09**

SAFETY, HEALTH AND ENVIRONMENTAL BOX	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:	
Hazard Log Ref	DESCRIPTION OF HAZARDS
1.	No stats info provided so care is to be taken when excavating for new footway

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A1060 Maldon Road / Molrams Lane, Chelmsford

Executive Summary – Detailed Design
Highway Improvements Design Team (SMO2)
May 20, 2016

Executive Summary

- Jacobs Reachback have provided a Feasibility Study with regards to the highway improvements proposed at A1060 Maldon Road / Molrams Lane in the district of Chelmsford
- One drawings have been provided (see Appendix 'A')
- A provisional cost estimate has been provided:-
 - Option 1: £5,500

Prepared by:	Jacobs Reachback (Dublin)	Date:	20 May 2016
Approved by:	Mike Shearcroft	Date:	20 May 2016

Date: 20 May 2016
Author: Jacobs Reachback for (HIDT SMO2)

**Scheme Reference: HI 4266
DETAILED DESIGN REPORT
A1060 Maldon Road / Molrams Lane, Chelmsford**

Appendix A – Drawings

Please refer to drawing numbers found below for further information regarding the detailed design.

HI - 4266-12-001 Road Markings

HIDT initial review of supplied third party scheme design

Whilst the scheme works are being provided to the LHP for consideration, the points raised by the reviewing HIDT Engineer will need to be addressed prior to any scheme implementation:-

- Additional items to be considered as part of the detailed design stage.
 - Molrams Lane – Pedestrian crossing facility with island
- Road safety Assessment required if any works more than road markings are carried out.
- Liaise with other working groups to see if any carriageway works are programmed for 2016/17.



- Notes:**
1. Do not scale.
 2. This drawing is to be read in conjunction with all other contract drawings and documents.
 3. All Traffic Signs and Road Markings in accordance with Traffic Sign Manual (TSM) and The Traffic Signs Regulations and General Directions (TSRGD).
 4. Removal of Existing and Redundant markings. Removal shall be undertaken in a manner that will avoid damage to the road surface.

- Key**
- Diagram 1003 - Give Way Double Line, 600mm mark, 300mm gap, 200mm wide.
 - Diagram 1009 - Edge of Carriageway Line, 600mm mark, 300mm gap, 100mm wide.
 - Diagram 1004 - Warning Line, 4000mm mark, 2000mm gap, 100mm wide.
 - Diagram 1012.1 - Edge of Carriageway Continuous Line at 225mm from kerb edge, 100mm wide.
 - Diagram 1040 - Hatching - 4000mm mark, 2000mm gap, 100mm wide. Ancillary lines 150mm wide at 3000mm centres.
 - Diagram 1040.2 - Hatching - 4000mm mark, 2000mm gap, 100mm wide. Ancillary lines 150mm wide at 3000mm centres.
 - Diagram 1038 - Lane Arrows, 4000mm long.
 - Diagram 1039 - Lane Arrows, 8000mm long.
 - Diagram 1025.1 - 3000mm wide Bus Stop Yellow Marking Line at 250mm from kerb edge, 1000mm mark, 1000mm gap, 100mm wide.
 - Diagram 1025.4 - Bus Stop Yellow Marking Line at layby, 1000mm mark, 1000mm gap, 100mm wide.
 - Diagram 1023 - Approach triangle at Give way marking

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS
DETAILED DESIGN



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SCHEME TITLE
A1060 MALDON ROAD/MOLRAMS LANE

DRAWING TITLE
ROAD MARKING

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
BB	AG	SR	LC	BS
DATE	DATE	DATE	DATE	DATE
26.02.16	26.02.16	26.02.16	03.03.16	03.03.16

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES
SCALE AT A3 (420x297mm) 1:500

DRAWING No. **HI4266-12-001** Page 39 of 39



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CHELMSFORD CITY LOCAL HIGHWAYS PANEL POTENTIAL SCHEMES LIST (Version 28)

As the Local Highways Panel Capital Budget for 2016-17 has been recommended and signed off by the Cabinet Member, the potential schemes list represents the projects which the panel can consider for funding in 2017-18. The Panel are asked to review the Potential Schemes List and may wish to remove from it any schemes that they would not want to consider for a future funding recommendation.

There are currently potential schemes with an estimated cost of £1,746,988 as shown in the summary below:

Potential Schemes List (Version 28)	
Scheme Type	Total Estimated Costs
Safer Roads	£2,600
Traffic Management	£366,250
Quiet Lane	£0
Passenger Transport	£29,679
School Crossing Patrol	£6,000
Public Rights of Way	£135,000
Cycling	£1,207,459
	£1,746,988

We would encourage all parties to continue to submit their scheme requests so that the formal validation process can be undertaken in the meantime.

CHELMSFORD CITY LOCAL HIGHWAYS PANEL POTENTIAL SCHEMES LIST (Version 28)

On the Potential Schemes List the RAG column acknowledges the status of the scheme request as shown below:

RAG Status	Description of RAG status
G	A higher priority feasible scheme against strategic criteria
A	A lower priority feasible scheme against strategic criteria or may require additional Cabinet Member approval
R	A scheme which is against policy or where there is no appropriate engineering solution
	A scheme pending validation

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Safer Roads

Total Value of schemes	£2,600
-------------------------------	---------------

Ref	Location	Description	Requested by	Parish	Scheme Category	Scheme stage	Cost Code	Allocated Budget	Comments	RAG
1	A131 Braintree Road, RAB The Crescent Main Road/Goodmans Lane, Great Leighs	Review/improvement of approach/departure carriageway lining/signing	Safer roads team	Great Leighs	Safer Roads	Total scheme	LCHE151014	£1,500	See Appendix 2 for Draft Design. Recommended to consider Option 1 to improve road markings to help circulatory/lane discipline £1,500%FYRR 73 Option 2 investigate road widening £30,000.	G
2	A132 Runwell Road j/w A130 on/off slip, Runwell	Red light camera on north-east approach to signals	Safer roads team	Runwell	Safer Roads	Total scheme	LCHE151015	TBC	See Appendix 2 - Draft Design - On going maintenance would be supported by Essex Safety Camera Partnership, Camera - £18k, but if required Maintenance hard standing £25k and Vehicle Restraint System £40k. %FYRR101	
3	Lordship Road, Writtle	Signage for College and tea rooms	Safer roads team	Writtle	Safer Roads	Total scheme	LCHE151016	£1,100	Report previously shared with Panel in January 2016 - Signage improvements on northbound direction. %FYRR106	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
-------------------------------	-----------------

Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
1	Brick House Lane, Boreham	Passing Bay signage to identify passing bay	Vehicles routinely park in passing bay causing an obstruction	Parish Council	Boreham	Total Scheme	LCHE152014	£2,000	Validation - Passing Places signs would be suitable will require some vegetation to be cut back. Scheme to included sign, design and installation	G
2	Patching Hall Lane jw B1008 Broomfield Road, Broomfield	Signal upgrade to allow left turn out/right turn in phase and extension of two lane section	Improvements at permanent signals	Councillor	Broomfield	Total scheme	LCHE132069	TBC	Validation waiting on ITS and developers works	
3	Cooper's Row j/w Broomfield Road	Improvements to carriageway/kerb	Difference in level between carriageway and access ramp to Church	Councillor	Broomfield	Total scheme	LCHE152018	TBC	In validation	
4	Broomfield Parade/Pentland Avenue, Broomfield	Footway improvement measure/bollards	Lack of footway and vehicles obstructing footway	Councillor	Broomfield	Total scheme	LCHE152111	TBC	In Validation	
5	Main Road (at northern Broomfield Parish boundary), Broomfield	Village Gateway Treatment	Lack of Village Gateway feature to define entry to Broomfield	Parish Council	Broomfield	Total scheme	LCHE142002	£5,000	Parish Council has agreed for scheme to be considered once any changes at adjacent roundabout have been finalised	G
6	Copperfield Road j/w Dickens Place, Chelmsford	Traffic management improvements	Speed of traffic	Councillor	Chelmsford	Total scheme	LCHE162143	NA	Validation - Results of speed survey at two locations - Eastbound 30.0mph & 29.7mph Westbound 30.9mph & 27.6mph. Good compliance with posted 30mph speed limit. Copperfield Road is a Priority Route 2 and Dickens Place is a Local Road, traffic flow priority would be on the PR2. Would be against policy (Traffic Management Strategy) to hold up traffic on a PR2.	R
7	Gunson Gate off Loftin Road, Chelmsford	Improvements to bus gateway and bus stops	Two bus stops opposite each other causing problems	Councillor	Chelmsford Non Parished	Total scheme	LCHE142064	NA	Validation - Bus Service provider advise though stops are opposite each other only one service 51 operates on this route so shouldn't cause a problem.	R
9	West End of Chelmsford	Signage improvements to West End	Lack of signs to West End	Business Association	Chelmsford Non Parished	Total scheme	LCHE132056	TBC	In design	

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
10	Essex Records Office, Chelmsford	Signage improvements to (1) vehicular access to ERO on Navigation Road and (2) outside pedestrian entrance to ERO	Lack of signage	Councillor	Chelmsford Non Parished	Total scheme	LCHE142085	£500	Validation - Site (2) agreed and Site (1) not necessary as building visible from location	G
11	Waterson Vale, Chelmsford	Traffic management improvements to enforce 20mph zone	Speed of traffic	Councillor	Chelmsford Non Parished	Total scheme	LCHE142093	£1,500	Validation - speed data near Burghley Way SE 20.4mph and NW 18.7mph, near Chislett Row S 1839 mph and N18.4 mph. good compliance. Suggestion of 20 mph speed roundels at start of 20 mph limit and signage improvements	G
12	Park Avenue, Chelmsford	Cars mounting pavement causing conflict with pedestrians	Cars park on one side of road and when two vehicles try to pass, they routinely mount the pavement	Councillor	Chelmsford Non Parished	Total Scheme	LCHE152016	TBC	In Validation	
13	Regency Close, Chelmsford	Resurface over old tree pit	Tree removed some time ago	Councillor	Chelmsford Non Parished	Total scheme	LCHE152092	£10,000	Validation - Possible to resurface 3m x 3m tree pit to footway standard or Highway Rangers could cut back vegetation/dig over tree pit. May 2016 - Passed over to Highway Rangers to action	G
14	174-193 Forest Drive, Chelmsford	Improved parking	Lack of residents parking	Residents	Chelmsford Non Parished	Total scheme	LCHE152094	£60,000	Validation -possible to install a parking area 21m x 4.5m but depending on full statutory undertakers apparatus survey	G
15	29-59 North Avenue, Chelmsford	Improved parking	Lack of residents parking	Residents	Chelmsford Non Parished	Total scheme	LCHE152095	£5,000	Validation - Option to encourage residents to apply for dropped kerbs and park on their frontage for Feasibility Study/Design into creating parking within adjacent green area.	G
16	Goldlay Avenue nr jw Burwood Court, Chelmsford	Footway bollard to stop vehicles driving over footway	Reports that following prohibition of traffic, cars driving over footway	Residents	Chelmsford Non Parished	Total scheme	LCHE152102	£2,000	Request to reinforce prohibition of traffic measures installed under Section 106 funding	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
17	Old Moulsham, Chelmsford	7.5tonne environmental weight limit	Delivery vehicles for Moulsham Street routinely driving through Old Moulsham	Residents	Chelmsford Non Parished	Feasibility	LCHE152096	£10,000	Validation - recommends feasibility study into 7.5t environmental weight limit, to include HGV traffic surveys and details of any delivery vehicles using Old Moulsham to access Moulsham Street shops	G
18	Waterhouse Street Chelmsford	Signage to show service roads unsuitable for larger vehicles	Several narrow service roads only accessible to cars/smaller vehicles	Councillor	Chelmsford Non Parished	Total scheme	LCHE152100	£1,500	Validation - suggestion is to improve signage at Waterhouse Street j/w Writtle Road to show cul de sac and Unsuitable for HGV's	G
19	Admirals Park Estate, Chelmsford	20mph zone	Speed of vehicles	Councillor	Chelmsford Non Parished	Total scheme	LCHE152115	TBC	In validation - will require approx. 30 automatic traffic counts costing £7,500	
20	The Rising Sun P/h New London Road, Chelmsford	Dropped kerbs	Lack of dropped kerbs across fore court	Councillor	Chelmsford Non Parished	Total Scheme	LCHE152098	£2,500	Validation - Dropped kerbs can be installed to improve access across frontage of Public House	G
21	O/s 78 to 88 Roxwell Road, Chelmsford	Traffic management measures to enforce 30mph speed limit	Speed of traffic	Councillor	Chelmsford Non Parished	Total scheme	LCHE152116	TBC	In validation	
22	Magistrates Court, New Street, Chelmsford	Directional signs to Magistrates Court	Lack of directional signs to Magistrates Court	Councillor	Chelmsford Non Parished	Total scheme	LCHE162140	£6,000	Validation - Feasible to install directional signage on existing street furniture from Bus/Train station to Magistrates Court. Possible Wayfinder scheme also being implemented by CCC may cover this signage request.	G
23	Stump Lane, Chelmsford	Footway improvements	Narrow footway for pedestrians over railway bridge	Councillor	Chelmsford Non Parished	Feasibility	LCHE152126	£5,000	Validation - recommends feasibility into priority working and to then consider footway widening	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
24	Chignal Hall Lane jw Mashbury Road, Chignal Smealy	Remove bennet junction	Existing verge being overrun dragging mud onto road	Parish Council	Chignal Smealy	Feasibility	LCHE152093	£3,000	Validation - Feasibility/design recommended into junction improvement options.	G
25	Danbury Vale, Danbury	Flood alleviation works - study into ground investigation/infiltration testing to determine number of soak ways and size	Flooding	Parish Council	Danbury	Feasibility	LCHE142052	£7,500	Validation - feasibility study recommended	G
26	Sporhams Lane, Danbury	Width restriction on road, to prevent goods vehicles damaging verges	Vehicles damaging verges	Parish Council	Danbury	Total scheme	LCHE142092	TBC	In validation	
27	Bicknacre Road, Overshot Bridge to Poplar Farm	Walkable verge	Lack of walkable verge for pedestrians	Parish Council	Danbury	Total scheme	LCHE152110	TBC	In validation	
28	The Common, East Hanningfield	Traffic Management Improvements	Speed of traffic	Parish Council	East Hanningfield	Feasibility	LCHE142022	£5,000	Validation - recommends feasibility study into traffic calming and pedestrian video survey	G
29	S/o Vita Bella, The Tye, East Hanningfield	Footway widening works - kerbing/resurfacing to open up full width	Narrow footway for pedestrians	Parish Council	East Hanningfield	Feasibility	LCHE152105	£3,000	Validation - feasibility study into footway widening to consider extent of highway, statutory undertakers apparatus and fully cost any scheme proposal	G
30	Main Road nr jw Church Road, East Hanningfield	Walkable verge	Lack of footway/walkable verge	Parish Council	East Hanningfield	Implementation	LCHE162141	£8,000	Implementation of walkable verge following design works under LCHE132068	G
31	Stock Road/ Watchouse Road, Galleywood	Signs to heritage centre	Lack of signs	Parish Council	Galleywood	Total scheme	LCHE142067	£1,500	Validation review - Does not meet DfT Guidance on Sign Clutter, would need specific Cabinet Member Approval to proceed	A
32	The Street jw Stock Road, Galleywood	Junction protection parking restrictions	Parking improvements	Parish Council	Galleywood	Total scheme	LCHE142098	TBC	In validation	

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
33	Margaretting Road, Galleywood	Implementation of Footway continuation	Lack of footway/walkable verge	Parish Council	Galleywood	Total scheme	LCHE162142	£88,000	Implementation of footway continuation under LCHE003001, awaiting results of Legal Process/Design	A
34	Essex Healthcare Park, Great Baddow	Directional signs to health clinic	Lack of signs to clinic	Councillor	Great Baddow	Total scheme	LCHE152097	NA	Validation - Does not meet DfT guidance on sign clutter so will need Cabinet Member Approval to proceed. Now being funded through Third Party Agreement	
35	Church Street, Great Baddow	Traffic calming/wider footways	Speed of traffic	Parish Council	Great Baddow	Total scheme	LCHE152099	NA	Validation - speed data shows good compliance with posted 30mph speed limit (Average speeds - Nr Baddow Place SE bound 30.3mph & NW bound 29.8mph, Nr The Bringey SE bound 30.7mph & 28.7mph). Narrow footways but no available highway to construct wider footways. Also several listed buildings in vicinity of section of narrow footways. Any footway widening could be contentious and expensive and directly impact listed buildings.	R
36	Longmead Avenue j/w Meadgate Avenue, Great Baddow	Parking and traffic management improvements	Parking issues	Councillor	Great Baddow	Total scheme	LCHE152121	NA	Validation - Speed survey data average speeds on Meadgate Avenue posted 30mph limit - Between Longmore Avenue/Longmead Road - East bound 26.4mph & West bound 27.2mph, Between Marney Close & Bramwoods Road - East bound 26.4mph & West bound 27.2mph. Good compliance with speed limit, majority of speeds fall below 25mph during school run periods, outside of school times speeds below 30mph. Any junction parking issues would need to be addressed by Parking Partnership.	R
37	O/s 50-62 Shimbrooks, Great Leighs	Parking improvements	Cars frequently blocked in and cannot get out	Councillor	Great Leighs	Total scheme	LCHE152114	TBC	In Validation	

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
38	School Lane, Great Leighs	Crossing point improvements	Measures to stop cyclists/pedestrians going straight into road	Councillor	Great Leighs	Total scheme	LCHE152015	£12,000	Validation - Improvements to pedestrian crossing being dealt with by S.106 funding. Improvement to School Lane would be speed limit repeater signs along road to advise traffic of speed limit when driving along road.	G
39	South Street, Great Waltham	Pedestrian guard rail at footpath/carriageway	Lack of pedestrian guard rail	Parish Council	Great Waltham	Total scheme	LCHE142072	NA	Validation suggests staggered guard rail on footpath. Possible Section 106 contribution funding these works.	
40	South Street, Great Waltham	Speed Indicator Device pole to allow rotation of existing unit	Speed of traffic	Parish Council	Great Waltham	Total Scheme	LCHE142073	£750	Validation - recorded speeds NE bound 31.8mph & SW bound 32.0 mph, with evidence of speeding. Recommend SID pole installed	A
41	Highwood Road Edney Common to Loves Green, including St Peter Church	Pedestrian footway- 1.2m walkable verge, crossing point at Highwood Road and removal of informal layby at St Peters Church, estimated cost £105,000 next stage detailed design	Lack of footway/walkable verge	Parish Council	Highwood	Design	LCHE142040	£3,500	Technical Note previously shared with Panel March 2015	G
42	The Ridge jw Runsell Lane and Fir Tree Lane and Holybread Lane, Little Baddow	Speed Indicator Poles (x3) and Speed Indicator Device on rotation	To remind traffic of 30 mph speed limit	Parish Council	Little Baddow	Total scheme	LCHE152084	£9,000	Validation - Three speed surveys North Hill (N) Lt Baddow (60m N of The Rodney PH) Southbound: 31.8mph Northbound: 34.9mph The ridge (mid) Lt Baddow Southbound: 33.7mph Northbound: 32.1mph The Ridge (s) Lt Baddow Southbound: 33.2mph Northbound: 29.3mph Speeds do not meet criteria for a SID. Suggestion is review of size/number of speed repeater signs	G
43	Wantz Road/Roman Road/Main Road, Margaretting	Village gateway treatments	Speed of traffic entering Village	Parish Council	Margaretting	Total scheme	LCHE152118	£15,000	Validated by Third Party Works team	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
44	Dowsetts Lane (Norton Place to woodside), Ramsden Heath	SLOW road markings	Speed of traffic	Parish Council	Ramsden Heath	Total scheme	LCHE162138	NA	Validation - SLOW road marking is most effective when complimenting a warning sign. Good speed compliance in 40mph section. A new Automatic Traffic Count could be carried out in 30mph section to assess speeds here.	R
45	A1245/A132 Roundabout, Rettendon	Lane marking on RAB - Option 1 - Guidance lane marking on RAB and additional signs on A132 Option 2 - As option 1 but with lead in road markings	Improvements to lane markings	Parish Council	Rettendon	Total scheme	LCHE142019	£17,500	Technical Note previously shared with Panel March 2015	G
46	Bridge over River Crouch, Hawk Hill, Battlesbridge	Signalisation of priority working over bridge	Frequently two cars try to cross bridge at same time causing a "face to face" stand off in middle of bridge	Parish Council	Rettendon	Feasibility	LCHE152001	£2,000	Validation - Signalisation of bridge could cost £160k, it is first advised to carry out Road Safety Assessment of proposal to address any safety concerns/risks of signalisation. Also existing scheme LCHE142030 to improve signage on bridge.	G
47	The Street j/w Vicarage Road Roxwell	Traffic management improvements - Parish Council suggested speed humps red surfacing or VAS signs	Speed of traffic on narrow road with sharp bend	Parish Council	Roxwell	Total scheme	LCHE152109	£2,000	Validation - this road is a Priority Route 2 and would not be suitable for physical measures such as speed humps, these could also lead to property vibration issues. Red surfacing is against policy due to limited lifespan of surfacing. A bend warning VAS could only be considered as part of a Safer Roads Scheme but current accident records do not support this. Could be possible to consider Chevron signs but would need to consult with nearby residents to permit this.	A
48	Woodhill Road (S/O Sandon School), Sandon	Bollards to prevent verge parking	vehicles parking on footway	Parish Council	Sandon	Total scheme	LCHE142065	£10,500	Validation - bollards/footway improvements though this could relocate parking problem further down the road towards a bend	G
49	Mayes Lane/Sporhams Lane/Butts Green Road, Sandon	Horse & Rider warning signs	Lack of driver awareness of horse & riders within the Parish	Parish Council	Sandon	Total scheme	LCHE152081	£3,000	Validation - recommends signs/posts at three locations - j/w East Hanningfield Rd, j/w Woodhill Rd and vicinity nr j/w Blind Lane	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
50	Ferrers Road j/w A132/B1012 RAB, South Woodham Ferrers	Junction Improvements	Vehicle egress issues from Ferrers Road onto A132/B1012 RAB	Councillor	South Woodham Ferrers	Total scheme	LCHE152128	NA	Validation - A132 is a PR1 and Ferrers Road PR2, traffic flows on PR1 should be prioritised over those on PR2. Slip road not feasible due to cost and land acquisition required. Signalisation would affect PR1 route. Future housing development should be part of the planning process.	R
51	Albert Road, South Woodham Ferrers	Junction Improvements	Vehicles parking at junction	Town Council	South Woodham Ferrers	Total scheme	LCHE162139	TBC	In validation	
52	Chancellor Avenue j/w Chelmer Village Way, Springfield	Measures to prevent vehicles losing control on roundabout and hitting adjacent wall	Vehicles losing control on roundabout	Parish Council	Springfield	Feasibility Study	LCHE152009	£5,000	Validation - feasibility study into re-profiling camber of roundabout, though no personal injury accidents at this location	G
53	Lawn Lane near junction with Orford Crescent, Springfield	Improved pedestrian crossing facilities	Pedestrians having difficulties crossing	Councillor	Springfield	Total scheme	LCHE152002	TBC	In validation - degree of pedestrian conflict survey carried out results 0.482x10 ⁸ feeding into validation process. Existing tree currently obscure sight line. Need to carry out PV ² at adjacent crossing point 60m north of this location	
54	New Dukes Way nr jw Montrose Road, Springfield	Bollards to prevent parking on verges	Vehicles parking on verges	Councillor	Springfield	Total scheme	LCHE162135	£10,000	Validation - it is possible to install bollards between existing trees to prevent vehicles parking on the verges. Though site should not be looked in isolation. Any measures implemented in isolation could displace the verge parking elsewhere on the estate. Draft design shown in Appendix 2	A
55	Pump Lane and Colchester Road, Springfield	Improved Gateway/Parish Boundary signs	Signs badly faded and out of date, referring to Borough of Chelmsford	Parish Council	Springfield	Total scheme	LCHE162144	£2,000	Validation - No engineering issues with new signage. There could be several similar locations across the City. Also existing signage does not appear to be on Parish boundary.	G
56	Cuton Hall Lane, Springfield	Measures to prevent u-turns	Vehicles doing u-turns when leaving B&Q	Councillor	Springfield	Feasibility	LCHE162145	£3,000	Validation - Possible to extend existing traffic island or install legal order. No history of accidents causing injury from u-turns.	A

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
57	High Street, Stock	Route enhancement study	Speed of traffic	Parish Council	Stock	Feasibility	LCHE132043	£3,000	Validation - Feasibility Study suggested following request for 20 mph speed limit/average speed camera	G
58	Brookmans Road jw Back Lane, Stock	Bollards on verge to prevent verge damage	Vehicles damaging verge	Parish Council	Stock	Total scheme	LCHE142089	£25,000	Validation - Option 1 approach Parking partnership for junction protection parking restrictions, Option 2 reduce width of verge, install HGV overrun to allow easier turning for larger vehicles	G
59	Bakers Lane, West Hanningfield	30mph repeater signs	Need to reinforce speed limit	Parish Council	West Hanningfield	Total scheme	LCHE152122	NA	Validation - As there is a system of street lighting (units attached to telegraph poles). DfT guidance is that not possible to install repeater signs where there is a system of street lighting	R
60	Stock Rd/Ship Rd, Holiday Hill/Blind Ln, Church Rd, Middlemead/ Broadmead, West Hanningfield	Road/Depth markers	Flooding sites	Parish Council	West Hanningfield	Total scheme	LCHE162137	£6,000	Validation - Feasible to install water depth markers thought this would not address cause of flooding.	G
61	Bakers Lane, West Hanningfield	30mph repeater signs	Speed of traffic	Parish Council	West Hanningfield	Total scheme	LCHE152122	TBC	In validation	
62	Ship Road, West Hanningfield	Traffic Management Improvements	Speed of traffic	Parish Council	West Hanningfield	Total scheme	LCHE152125	TBC	In validation	
63	Lordship Road j/w Fox Burrows Lane, Writtle	Feasibility study into junction/carriageway improvement	Recommendation from Route Enhancement Study	Parish Council	Writtle	Feasibility	LCHE152088	£5,000	Recommendation from Route Enhancement Study, suggestion is to await results of any future development on Fox Burrows Lane	G
64	Writtle College Main Access, Lordship Road, Writtle	Feasibility study into carriageway/footway /signing/lining/street lighting/verge improvements	Recommendation from Route Enhancement Study	Parish Council	Writtle	Feasibility	LCHE152089	£5,000	Recommendation from Route Enhancement Study	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Traffic Management

Total Value of schemes	£366,250
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
65	Highwood Road, Edney Common to Loves Green	40mph speed limit	Speed of traffic	Parish Council	Writtle	Total scheme	LCHE152124	TBC	In validation	

Quiet Lanes

Total Value of schemes	£0
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Ref	Location	Description	Problem	Parish	Scheme stage	Cost Code	cost estimate	Comments	RAG
1	Sporhams Lane, Sandon	Suggestion to be classified as a Quiet Lane	Narrow lane, often used as a "rat run" or short cut	Sandon	Total Scheme	LCHE152012	TBC	In validation	
2	Chalk Street/Warren Road/Hoe Lane Rettendon	Suggestion to be classified as a Quiet Lane	To encourage drivers to drive appropriately for rural road used by many different road users.	Rettendon	Total scheme	LCHE152091	TBC	In Validation	
3	Hall Lane, West Hanningfield	Quire Lane	Speed of traffic	West Hanningfield	Total scheme	LCHE152123	TBC	In validation	

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Passenger Transport

Total Value of schemes	£29,679
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Ref	Location	Description	Problem	Parish	Scheme Category	Scheme stage	Cost Code	Estimated cost	Comments	RAG
1	Stop Name Chelmsford Prison, Springfield Road, Chelmsford	Real time passenger information	Lack of Real time passenger information	Chelmsford Non Parished	Passenger Transport	Total scheme	LCHE155028	£6,000	Validated by Passenger Transport team - This is a top up request to existing £8k Section 106 funding of this scheme	G
2	Stop Name Galleywood Common, Galleywood	New wooden bus stop	Replace bus stop	Galleywood	Passenger Transport	Total scheme	LCHE155027	£10,000	Validated By Passenger Transport Team	G
3	Beehive Lane jw Firecrest, Chelmsford	Improvements to junction to allow larger busses to use it	Larger buses are damaging the junction	Great Baddow	Passenger Transport	Total Scheme	LCHE155019	TBC	Validation recommends feasibility study into junction improvements. Section 106 funding available from Marconi Site CHL/2419/04, awaiting results of study	
4	Opp Railway Station Hullbridge Road South Woodham Ferrers	Raised kerbs	Bus stop improvements	South Woodham Ferrers	Passenger Transport	Design	LCHE165030	£3,679	Scheme now designed - See Appendix 1	G
5	Stop Name Woodham Hall, Main Road, Woodham Ferrers	New wooden bus stop	Replace bus stop	Woodham Ferrers	Passenger Transport	Total scheme	LCHE155026	£10,000	Validated By Passenger Transport Team	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

School Crossing Patrols

Total Value of schemes	£6,000
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Ref	Location	Description	Problem	Requested by	Parish	Scheme Category	Scheme stage	Cost Code	Estimated cost	RAG
1	Kings Road Primary School on Corporation Road, Chelmsford	Bollards on service road to be relocated to prevent parking	Crossing Patrol improvement	School Crossing Patrol team	Chelmsford Non Parished	School Crossing Patrols	Total scheme	LCHE146003	£3,000	G
2	Victoria Road, near Riverside Leisure Centre, Chelmsford	Drainage improvements dropped kerbs	Standing water after rainfall affecting operation of school crossing patrol team	School Crossing Patrol team	Chelmsford Non Parished	School Crossing Patrols	Feasibility	LCHE156006	£3,000	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Public Rights of Way

Total Value of schemes	£135,000
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
1	PROW Footpath 95 Chelmsford	Investigation on-going into installing drainage in existing surfaced city centre footpath	PROW improvement	PRoW team	Chelmsford Non Parished	Total scheme	LCHE148002	TBC	Awaiting results of investigation	
2	PROW Footpath 13 Good Easter	Investigation on-going into revetment between River Can and existing footpath	PROW improvement	PRoW team	Good Easter	Total scheme	LCHE148001	TBC	Awaiting results of investigation	
3	PRoW network, Great & Little Leighs	Improvement measures to PRoW signage and 18 bridge improvements	More signs to keep walkers on PRoW network and bridge improvement to British Accessibility Standards	PRoW team	Great Leighs	Total scheme	LCHE158005	£14,000	Validated by Public Rights of Way team	G
4	Great Leighs Footpath 41 (Part of The Essex Way)	Surfacing and Drainage improvements	Water meadow/natural springs affecting use of well used PRoW	PRoW team	Great Leighs	Total scheme	LCHE158006	£28,000	Validated by Public Rights of Way team	G
5	Little Waltham Footpath 28	Surfacing and Drainage improvements - 365m length and average 2m width	Path is routinely very muddy throughout the year	PRoW team	Little Leighs	Total scheme	LCHE158007	£21,000	Validated by Public Rights of Way team	G
6	Bridleway 11 Margaretting	To create a link between Bridleway 11 and Bridleway 44/54	Bridleway 11 cut off by A12	PRoW team	Margaretting	Total scheme	LCHE158004	£35,000	Validated by Public Rights of Way team	G
7	Footpath 63, South Hanningfield	Footpath surface improvements with plantings	Footpath surface in need of improvement	PRoW team	South Hanningfield	Total scheme	LCHE158010	£7,000	Validated by Public Rights of Way team	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 28)

Public Rights of Way

Total Value of schemes	£135,000
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Ref	Location	Description	Problem	Requested by	Parish	Scheme stage	Cost Code	Estimated cost	Comments	RAG
9	Bridleway 10, Mill Lane Ramsden Heath	Bridleway 10 West Hanningfield Surface Improvements	Boggy and uneven surface in sections makes bridleway a difficult route to follow for some users	PRoW team	West Hanningfield	Total scheme	LCHE158003	£15,000	Validated by Public Rights of Way team	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 27)

Cycling

Total Value of schemes	£1,207,459
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Ref	Location	Description	Problem	Requested by	Parish	Scheme Category	Scheme stage	Cost Code	Estimated cost	Comments	RAG
1	Westway, Chelmsford	CH35 - Off Road route on western footway between A141 and Writtle Road - design previously funded	Cycling route improvement	Cycling team	Chelmsford Non Parished	Cycling	Total scheme	LCHE144009	£150,000	Cycling team looking at sources of funding. Design previously shared with Panel	G
2	High Street, Chelmsford	Panel has funded feasibility study into south-north cycling through Chelmsford avoiding High Street - study results awaited	Cycling route improvement	Cycling team	Chelmsford Non Parished	Cycling	Total scheme	LCHE144011	TBC	Awaiting results of feasibility study	
3	Longstomps Cycleway, Chelmsford	Create shared footway/cycleway	Improvements to National Cycle Route 13, along busy section of Longstomps	Cycling team	Chelmsford Non Parished	Cycling	Total scheme	LCHE154003	£100,000		G
4	West Park, Chelmsford	Install a 3.5m replacement bridge on existing alignment	Design of replacement footbridge currently not part of Highways Network, which would need to be addressed	Cycling team	Chelmsford Non Parished	Cycling	Design	LCHE154006	£65,000		G
5	Lawn Lane/Waveney Drive, Chelmsford	Unsegregated shared footway/cycleway & advisory cycle lane	Lack of connectivity/ continuity of cycle network into Springfield	Cycling team	Chelmsford Non Parished	Cycling	Implementation	LCHE154010	£40,000		G
6	Melbourne Avenue, Chelmsford	Cycling improvement scheme	Lack of cycling facilities	Cycling team	Chelmsford Non Parished	Cycling	Implementation	LCHE134006	£66,593	See design in Appendix 2	G
7	Chelmer Retail Park, Springfield	Implementation of Phase 2 of scheme to rebuild and widen northern access ramp to retail park	Cycle access	Cycling team	Chelmsford Non Parished	Cycling	Total scheme	LCHE164013	£40,000	Implementation of scheme following design under LCHE144006	G
8	Lawn Lane/Waveney Drive, Chelmsford	Design of cycling improvements	Investigate cycle link improvements and junction design	Cycling team	Chelmsford Non Parished	Cycling	Total scheme	LCHE164014	£212,726	Design Option 3 - Shared use footway and narrowing of carriageway	G
9	Springfield Green/Timsons Green,	Options to improve connection of existing routes	lack of connectivity	Cycling team	Chelmsford non Parished	Cycling	Total scheme	LCHE164015	£298,000	Various design options	G

Chelmsford City Local Highways Panel - Potential Schemes List (Version 27)

Total Value of schemes	£1,207,459
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Ref	Location	Description	Problem	Requested by	Parish	Scheme Category	Scheme stage	Cost Code	Estimated cost	Comments	RAG
10	Chelmer Park Cycle Route, Beehive Lane, Galleywood	Shared footway/cycleway on Beehive Lane between Skinners Lane and Chelmer Car Park	Lack of cycle network connectivity to Galleywood	Cycling team	Galleywood	Cycling	Design	LCHE154002	£227,000	Feasibility study - Option 1 - 3m wide shared use footway (£227,000), Option 2 - 3m wide unbound cycle track (£75,000) but will require Land Acquisition and any costs associated with it	G
11	Writtle Route, Writtle	Solar lights/studs at 10m intervals	Mainly rural unlit route	Cycling team	Writtle	Cycling	Total scheme	LCHE154005	£8,140		G

Chelmsford City Local Highways Panel

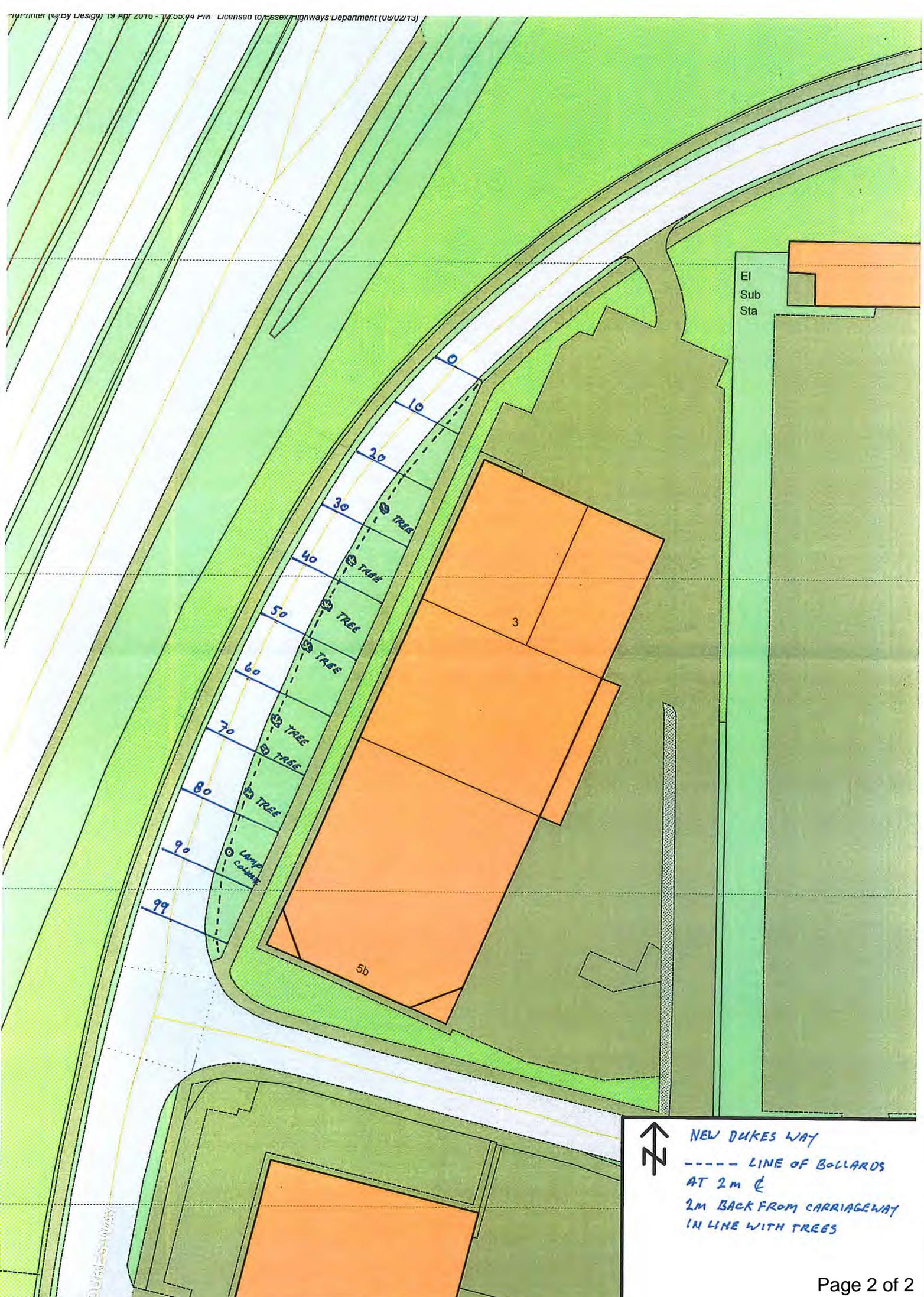
June 2016

Appendix 2 – Potential Schemes List Version 28

Traffic Management Improvements

Page 2 – LCHE162135 – New Dukes Way, Springfield

Draft design of bollard scheme to prevent vehicles parking on highway verges



EI
Sub
Sta



NEW DUKES WAY
----- LINE OF BOLLARDS
AT 2m @
2M BACK FROM CARRIAGEWAY
IN LINE WITH TREES

Chelmsford City Highway Rangers - Works Summary March/April 2016

Ref. No.	ECC Job	Date	Parish	Street	Works	Date Completed
1	CCC		Springfield	Freighter House	Plant maintenance	01/04/2016
2	CCC		Chelmsford non Parished	Linnet Drive (Opp 199 Tile Kiln)	Cut back overgrown vegetation, sweep/side footway	04/04/2016
3	CCC		Chelmsford non Parished	Moulsham Street	Cut back overgrowing ivy	04/04/2016
4	CCC		Writtle	Writtle Road	Cut back tree fallen over footway	04/04/2016
5	CCC		Great Waltham	Great Waltham car park	Fill in pot holes	05/04/2016
6	CCC		Writtle	Writtle Road	Trim back fallen tree from verge edge	05/04/2016
7	CCC		Chignal	Chignal Road/Mashbury Road	Remove fly tipping	05/04/2016
8	CCC		Chelmsford non Parished	Various - laybys	Remove fly tipping	06/04/2016
9	CCC		Little Waltham	Little Waltham Parish Day - Various Roads	Cut back hedges/footways	07/04/2016
10	CCC		Sandon	Old Southend Road	Cut back fallen tree from road	07/04/2016
11	CCC		Danbury	Hyde Lane	Clear/cut back fly tipping/dumped trees	08/04/2016
12	CCC		Springfield	Henniker Gate	Street furniture maintenance	11/04/2016
13	CCC		Springfield	Crocus Way	Street furniture maintenance	11/04/2016
14	CCC		Chelmsford non Parished	Lionfield Terrace off Arbour Lane	Street furniture maintenance	11/04/2016
15	CCC		Springfield	Fairfax Mead	Street furniture maintenance	12/04/2016
16	CCC		Chelmsford non Parished	Wear Drive	Street furniture maintenance	12/04/2016
17	CCC		Chelmsford non Parished	Waveney Drive	Street furniture maintenance	12/04/2016
18	CCC		West Hanningfield	Peverel Hall West Hanningfield Rd	Reinstate grass verge damaged by refuse lorry	13/04/2016
19	CCC		Chelmsford non Parished	Junction Broomfield Road / Parkway	Street furniture maintenance	14/04/2016
20	CCC		Springfield	Freighter House	Plant/equipment maintenance	14/04/2016
21	CCC		Chelmsford non Parished	Westlands Estate - Forest Drive, Milburn Crescent, Epping Close, Harewood Road	Street furniture maintenance	15/04/2016
22	CCC		South Woodham Ferrers	Bancrofts road	Sort out Ballot boxes x 200 election equipment	18/04/2016
23	CCC		Great Waltham	Gt Waltham	Repair works to fence, sign, posts	19/04/2016
24	CCC		Great Waltham	Gt Waltham	Repair works to fence, sign, posts	20/04/2016
25	CCC		Broomfield	Broomfield Parish Day - Various Roads	Cut back footpaths	21/04/2016
26	CCC		Great Baddow	Longmead Avenue	Street furniture maintenance	22/04/2016

Chelmsford City Highway Rangers - Works Summary March/April 2016

Ref. No.	ECC Job	Date	Parish	Street	Works	Date Completed
27	CCC		Great Baddow	Great Baddow	Street furniture maintenance	22/04/2016
28	CCC		Clacton	Stephenson Road	Dispose of fly tipped Tyres	25/04/2016
29	570	22/04/2016	Stock	Mill Road Stock opp Plantation Cottage	Excavate/clear ditch try to locate pipe end	26/04/2016
30	CCC		Chelmsford non Parished	Pipchin Road next to no3	Weed and tidy alleyway to play area	26/04/2016
31	CCC		Highwood	Highwood Road Old Barns Lane	Put up no fly tipping sign	27/04/2016
32	CCC		Howe Green	Howe Green E/Hanningfield Road	Cut back overgrown vegetation	27/04/2016
33	CCC		Chelmsford non Parished	Bond Street / Waterloo Lane	Street furniture maintenance	28/04/2016
34	CCC		Great Waltham	Gt Waltham	Repair works to fence, sign, posts	28/04/2016
35	RANGERS HOLIDAY					29/05/2016
36	CCC		Springfield	Colchester Road	Cut back overhanging vegetation across footpath	03/05/2016
37	CCC		Margaretting	Various roads	Clear fly tip	04/05/2016
38	CCC		Chelmsford non Parished	Arbour Lane	Cut back overhanging hedge covering bus stop sign	04/05/2016
39	CCC		Chelmsford non Parished	Chichester Drive	Cut back vegetation by utility boxes	04/05/2016
40	CCC		Springfield	Lawn Lane	Trim back hedge from footway	05/05/2016
41	CCC		Chelmsford non Parished	Meteor way	Items cleared from recycling area, and green waste	05/05/2016
42	CCC		Stock	Mill Lane Stock	Clear fly tip	05/05/2016
43	CCC		Boreham	Drovers Way	Equipment /vehicle maintenance	06/05/2016
44	CCC		Springfield	5 Primula Way	Clear fly tip	09/05/2016
45	CCC		Chelmsford non Parished	Melbourne Avenue	Clear glass/make safe damaged bus stops	09/05/2016
46	CCC		Great Baddow	Vicarage Lane	Clear fly tip	09/05/2016
47	CCC		Chelmsford non Parished	Town Centre by Monsoon	Street furniture maintenance	09/05/2016
48	CCC		Springfield	Cornflower Drive	Clear bicycle tyre from tree	09/05/2016
49	CCC		Galleywood	Spring Rise	Cut back vegetation from street furniture and pathway	09/05/2016
50	CCC		Chelmsford non Parished	Waterhouse Street	Cut back, weed litter pick overgrown alleyways	10/05/2016
51	CCC		Springfield	Springfield Road	Take out broken bench	10/05/2016
52	CCC		Great Baddow	Molrams Lane Gt Baddow	Clear Fly tip	11/05/2016
53	CCC		Rettendon	Rettendon (Bell field opp the bell PH)	Street furniture maintenance	11/05/2016

Chelmsford City Highway Rangers - Works Summary March/April 2016

Ref. No.	ECC Job	Date	Parish	Street	Works	Date Completed
54	CCC		Chelmsford non Parished	Beeches Road	Street furniture maintenance	11/05/2016
55	CCC		Margaretting	Margaretting Parish Day - Various Roads	Cut back vegetation from footway main road	12/05/2016
56	CCC		Chelmsford non Parished	Waterhouse Lane	Street furniture maintenance	13/05/2016
57	CCC		Margaretting	Margaretting village hall Wantz Road	Street furniture maintenance	13/05/2016
58	571	12/05/2016	Chelmsford non Parished	Galleywood Road o/s Fowler Court	Cut back vegetation on footway approx 80m	13/05/2016
59	CCC		Chelmsford non Parished	Crematorium Writtle Road	Clean out gullies	16/05/2016
60	CCC		Chelmsford non Parished	Various locations	Remove fly posting	17/05/2016
61	CCC		Woodham Ferrers	Edwin Hall View	Street furniture maintenance	17/05/2016
62	CCC		Springfield	Springfield Road	Street furniture maintenance	18/05/2016
63	CCC		Chelmsford non Parished	Waterhouse Lane jnct Writtle Road	Street furniture maintenance	18/05/2016
64	CCC		Stock	Goatsmoor Lane x2 / Furze Lane repair	Street furniture maintenance	18/05/2016
65	CCC		Great Baddow	Hall Close	Street furniture maintenance	18/05/2016
66	CCC		Sandon	Park & Ride	Help on tanker	19/05/2016
67	CCC		South Woodham Ferrers	Holkham Avenue	Trim back hedge from footway, remove debris sweep	20/05/2015
68	CCC		Chelmsford non Parished	New Street	Litter pick/general tidy sweep of verge	23/05/2016
69	CCC		Springfield	B1137 Colchester Rd	Cut back overhanging branches around 2 bus stops	23/05/2016
70	CCC		Springfield	New Dukes Way	Strim Back footpath / vegetation	24/05/2016
71	CCC		Danbury	Maldon Road	Trim back vegetation covering footpath	24/05/2016
72	CCC		South Woodham Ferrers	Crows Lane	Clear fly tip tyres	25/05/2016
73	CCC		Clacton	Stephenson Road	2 x loads of fly tipped tyres taken to recycle centre	25/05/2016
74	CCC		Chelmsford non Parished	Arbour Lane / Telford Place, Lawn Lane	Cut back vegetation from footpaths.	26/05/2016
75	CCC		Chelmsford non Parished	Little Nell	Cut back alleyway for sweeper access	26/05/2016
76	HOLIDAY					27/05/2016
77	Bank Holiday					30/05/2016
78	CCC		Sandon	Sandon Church Woodhill Road	Cut back vegetation	31/05/2016

Chelmsford City Local Highways Panel - Section 106 Updates June 2016

Ref.No.	Current Stage	Task Name	Cost Code	Delivery Method	Works Description	Comments
1	In Progress	Chelmer Village Retail Park Access	HB13065	Supply Chain Partner	Improved pedestrian and cycle access in the vicinity of Chelmer Village Retail Park	Design completed. Legal/land ownership queries being resolved. Awaiting approval of Section 38 legal agreement
2	In Progress	Banters Lane Relocate Bus Stop CHL 1180	HB12031	Supply Chain Partner	Package of traffic management and bus stop improvements in Gt. Leighs	Works completed May 2016. Awaiting Parish Council instruction on VAS
3	In Progress	New ST/TC Cycle Route CHL 1162 (NEW ST T/C CYCLE ROUTE CHL326)	HB12059	Design Only	Cycle route from New Street to Chelmsford City Centre	Design being finalised next stage Target Costing for works
4	In Progress	Boreham to Town Centre Cycle Route	HB13007	Design Only	Cycle route from Boreham to Chelmsford City Centre	Design being finalised next stage Target Costing for works
5	In Progress	Wood Street Cycle Route	HB15009	Design Only	Wood Street To Princes Road Cycleway	Design being finalised next stage Target Costing for works
6	In Progress	Springfield Road/Pump Lane - Toucan Crossing	HB15018	Design Only	Provide a toucan crossing on Springfield Road at its junction with Pump Lane	Design being finalised next stage Target Costing for works
7	In Progress	Broomfield Road	HB16046	Design Only	Upgrade to existing zebra crossing	Design being finalised next stage Target Costing for works